

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT				
<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER GALLOWAY #4-14B2				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT BLUEBELL				
4. TYPE OF WELL Oil Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR DEVON ENERGY PROD CO LP						7. OPERATOR PHONE 405 228-4248				
8. ADDRESS OF OPERATOR P.O. Box 290 , Neola, UT, 84053						9. OPERATOR E-MAIL patti.riechers@dvn.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) FEE <input type="checkbox"/>			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Randy Galloway						14. SURFACE OWNER PHONE (if box 12 = 'fee') 541-447-1656				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 15586 S.E. Yakima, Prineville, OR 97754						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		230 FNL 1320 FEL		NWNE	14	2.0 S	2.0 W	U		
Top of Uppermost Producing Zone		894 FNL 1320 FEL		NWNE	14	2.0 S	2.0 W	U		
At Total Depth		660 FSL 1320 FEL		SWSE	14	2.0 S	2.0 W	U		
21. COUNTY DUCHESE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 230			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2587			26. PROPOSED DEPTH MD: 13308 TVD: 9705				
27. ELEVATION - GROUND LEVEL 5258			28. BOND NUMBER 71S100753026-70			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Ballard City Municipal Water				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	17.5	13.375	0 - 1000	61.0	J-55 Buttress	8.5	Class G	1200	1.17	15.8
I1	12.25	9.625	0 - 5000	40.0	N-80 LT&C	12.0	Class G	1020	1.65	13.0
							Class G	240	1.32	14.8
PROD	8.75	7	0 - 10143	29.0	P-110 Other	10.5	Class G	700	2.91	11.0
L1	8.75	5.5	10143 - 13308	20.0	P-110 Other	10.5	Class G	160	2.3	15.8
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Julie Patrick			TITLE Regulatory Analyst			PHONE 405 228-8684				
SIGNATURE			DATE 10/30/2012			EMAIL julie.patrick@dvn.com				
API NUMBER ASSIGNED 43013518180000			APPROVAL  Permit Manager							

## Devon Energy Production Co., LP

**Galloway 4-14B2**  
**Sec 14 T2S R2W**  
**Duchesne County, UT**  
**SHL: 230' FNL; 1320' FEL**  
**BHL: 660' FSL; 1320' FEL**  
**GL 5258'; KB 5280'**  
**Fee Lease**

### DRILLING PLAN

This will be a directionally controlled well drilled horizontally to the south. It will stay within the hardlines of section 14. A full survey with inclination and azimuth will be obtained while drilling. See attached the directional plan.

### 1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS, OR MINERAL FORMATIONS

<u>Formation</u>	<u>Depth TVD</u>	<u>Depth TMD</u>	<u>Hydrocarbon/Water</u>
Upper Green River	5,400'	5,400'	
Lower Green River	8,690'	8,690'	Oil/Gas
Proposed TD	9,705'	13,308'	

### 2. PRESSURE CONTROL EQUIPMENT:

All well control equipment for 5M and 10M systems shall be in accordance with state of Utah regulatory agencies. 3M, 5M, and 10M systems used will at minimum meet the requirements of the BLM 43 CFR 3160 (Vol. 53, No. 223) – onshore oil and gas order No. 2, Drilling Operations.

Listed below are the minimum BOPE configurations that will be used:

- **From surface to 1,000':**  
Diverter system on structural pipe
- **From 1,000' to 5,000':**  
3M system: annular preventer; 1 pipe ram and 1 blind ram; drilling spool with choke & kill line; 2 choke line valves and 2 kill line valves; 2 chokes
- **From 5,000' to 13,308':**  
5M system: annular; 2 pipe rams and 1 blind ram; drilling spool with choke & kill line; 2 choke line valves and 2 kill line valves; 2 chokes with one being a remotely controlled hydraulic choke

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure when a test plug is used and if a test plug is not used to 70% of the minimum internal yield pressure of the casing.

The testing frequency will be as follows:

- Prior to drilling out of surface(5M test) and intermediate(10M test) casing
- Initial installation
- Whenever any seal subject to test pressure is broken
- Following related repairs
- At 21 day intervals

The annular preventer will be pressure tested to 50 percent of the rated working pressure. All pressure tests shall be maintained at least ten minutes or until provisions of test are met, whichever is longer.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip.

A BOPE pit level drill will be conducted weekly for each drilling crew.

All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to open the HCR valve, close all rams plus the annular preventer, and retain 200 psi above pre-charge pressure without the use of closing unit pumps. The system will have two independent power sources to close the preventers in accordance with 5M & 10M system requirements.

Remote controls shall be readily accessible to the driller. Master controls will be at the accumulator.

### 3. CASING & CEMENTING PROGRAM:

A. The proposed casing program will be as follows:

<u>Hole Size</u>	<u>Size</u>	<u>Grade</u>	<u>Thread</u>	<u>Weight</u>	<u>Setting Depth(MD)</u>
17 1/2"	13 3/8	J-55	BTC	61.0	1,000'
12 1/4"	9 5/8"	N-80	LTC	40.0	5,000'
<b><u>7" X 5 1/2" Production Long String:</u></b>					
8 3/4"	7"	P-110EC	BTC	29.0	0 – 10,143'
8 3/4"	5 1/2"	P-110	BTC	20.0	10,143' – 13,308'

B. The proposed cementing program is as follows:

**13 3/8" – Single stage cemented to surface:**

Single fluid: Class G, 15.8#, Yield-1.17, 1,200 sacks w/ additives to surface (100% excess). A top job will be done if cement to does circulate to surface.

**9 5/8" – Single stage cemented to surface:**

Lead: Class G, 13.0#, Yield-1.65, 1,020 sacks w/ additives, top at surface.

Tail: Class G, 14.8#, Yield-1.32, 240 sacks w/ additives, top at 4,000'

**7" X 5 1/2" – Single stage cemented to surface:**

Lead: Class G, 11.0#, Yield-2.91, 700 sacks w/ additives, top at surface.

Tail: Class G, 15.8#, Yield-2.30, 160 sacks w/ additives, top at 10,143'

***\*Specific additives, percentages, composition to be determined once reservoir/formation conditions are further identified and confirmed during drilling operations\****

All casing strings below the conductor shall be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% minimum internal yield.

The bottom three joints of the surface casing will have one centralizer per joint and one centralizer every third joint thereafter up to designed total

Remedial Cementing will be performed on the surface casing if the cement does not reach surface.

The bottom three joints of the intermediate casing will have one centralizer per joint and then one centralizer every third joint thereafter up to designed total

The production string will be centralized every joint in the lateral and then every other joint back to the previous casing for a designed total

All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

#### 4. DRILLING FLUIDS PROGRAM:

<u>Interval</u>	<u>Type</u>	<u>Mud Weights</u>
Surface	Aerated/Water System	7.5 – 8.5
Intermediate	Water Based System	10.0 – 12.0 (expected water flow)
Production	Oil Based System	9.5 – 10.5

Sufficient quantities of mud material/inventory will be maintained on site or be readily accessible for the purpose of assuring well control. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations. Higher mud weights may be required for specific well control matters as well as running logs/casing.

#### 5. EVALUATION PROGRAM:

**Logs:** Array Induction-GR-SP-Cal: TD to surface casing  
Cross dipole sonic log: TD to surface casing

**Samples:** 30' samples surface casing to TD.

**Cores:** None anticipated.

**DST's:** None anticipated.

#### 6. ABNORMAL CONDITIONS:

Overpressured conditions @ TD may be encountered with a maximum bottomhole pressure of approximately 5,663 psi. (11.0ppg mud at 9,900' TVD)

Maximum anticipated surface pressure for production hole (calculated with 11.0# mud evacuated to .22 psi/ft gas gradient) is estimated to be approximately 3,485 psi.

#### 7. OTHER INFORMATION:

If the well is completed as a dry hole or as a producer, well completion or recompletion report and log(s) will be submitted within 30 days after completion of the well or after completion of operations being performed. Copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, daily drilling reports, daily completion reports, and all other surveys or data obtained and compiled during the drilling, completion, and/or workover operations, will be submitted to designated authority/agency.

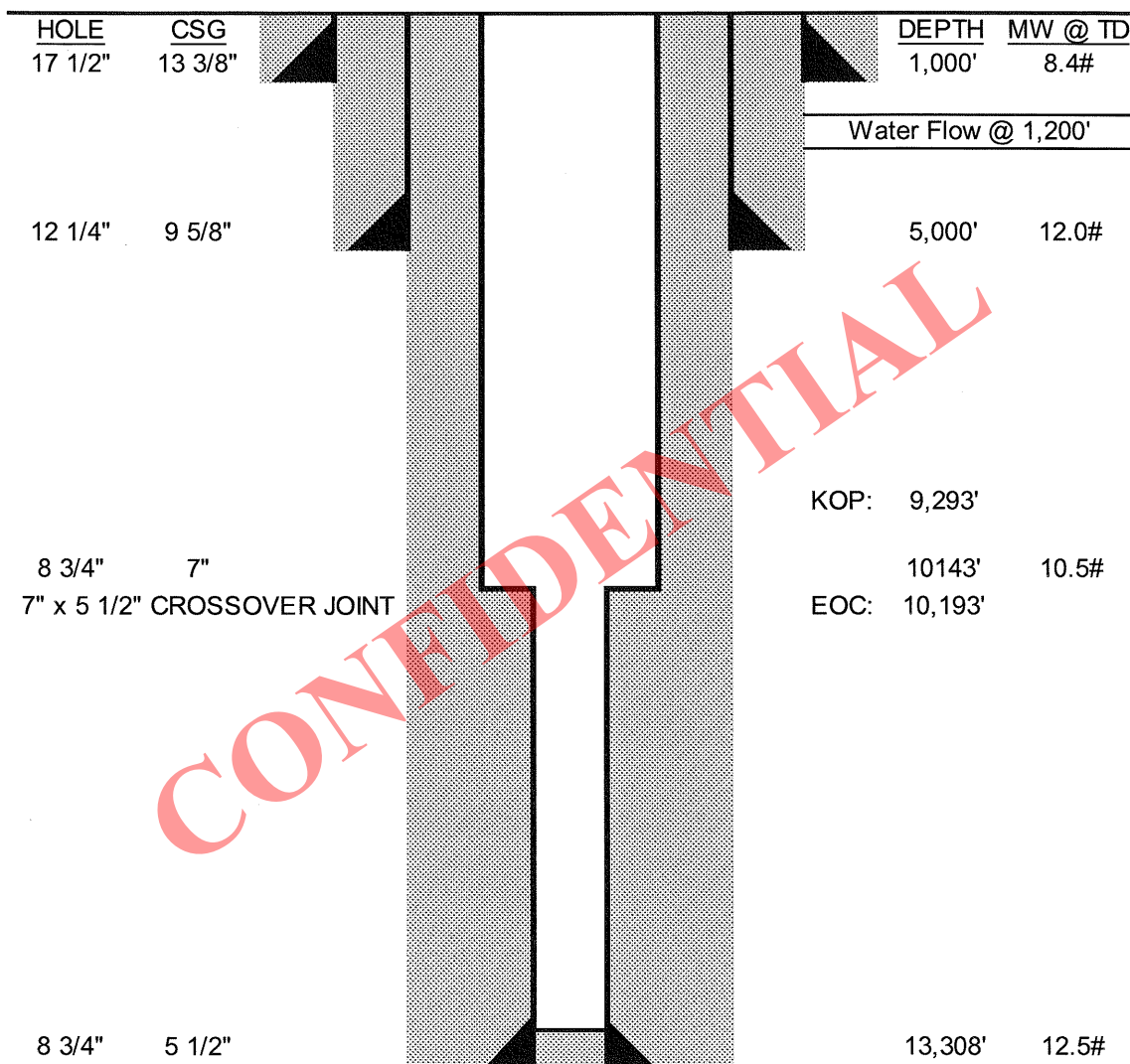
**8. Additional Request**

Operator requests Confidential Status for this well.

CONFIDENTIAL

## Proposed Wellbore Schematic:

## Galloway 4-14B2 - LGR Horizontal



W 1/4 Cor Sec 12  
1/2" Rebar, 0.3' High

**DEVON ENERGY PRODUCTION COMPANY, L.P.**

Well location, GALLOWAY #4-14B2, located as shown in the NW 1/4 NE 1/4 of Section 14, T2S, R2W, U.S.B.&M., Duchesne County, Utah.

## BASIS OF ELEVATION

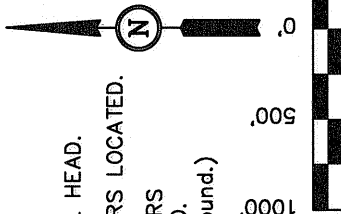
SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYXTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

**LEGEND:**

- L = 90° SYMBOL  
 ● = PROPOSED WELL HEAD.  
 ▲ = SECTION CORNERS LOCATED.  
 Δ = SECTION CORNERS  
 RE-ESTABLISHED.  
 (Not Set on Ground.)



# CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE REPORT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

UTAH ENGINEERING &amp; LAND SURVEYING

85 SOUTH 200 EAST - VERNAL UTAH 84078

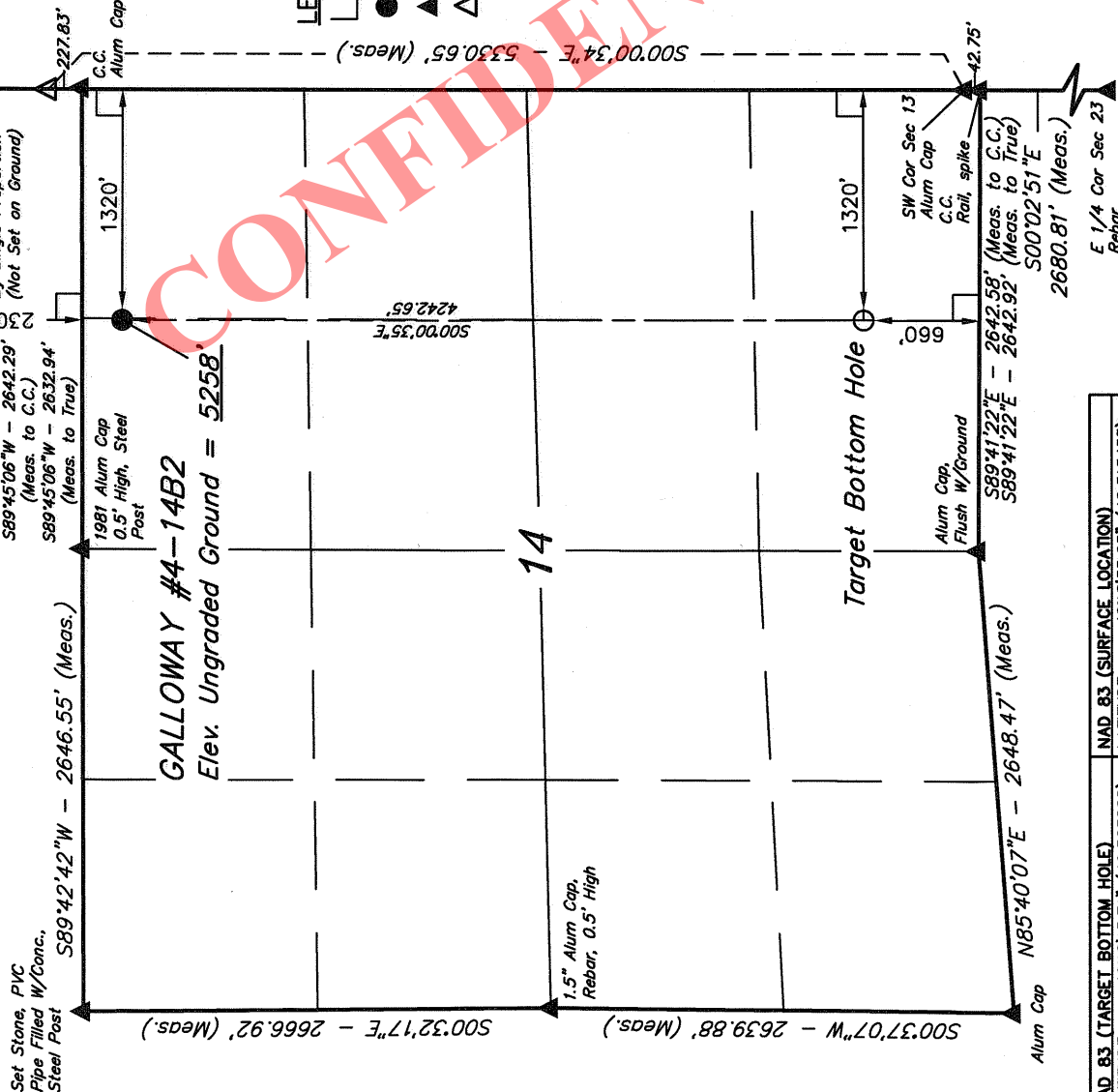
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	09-28-12	10-01-11

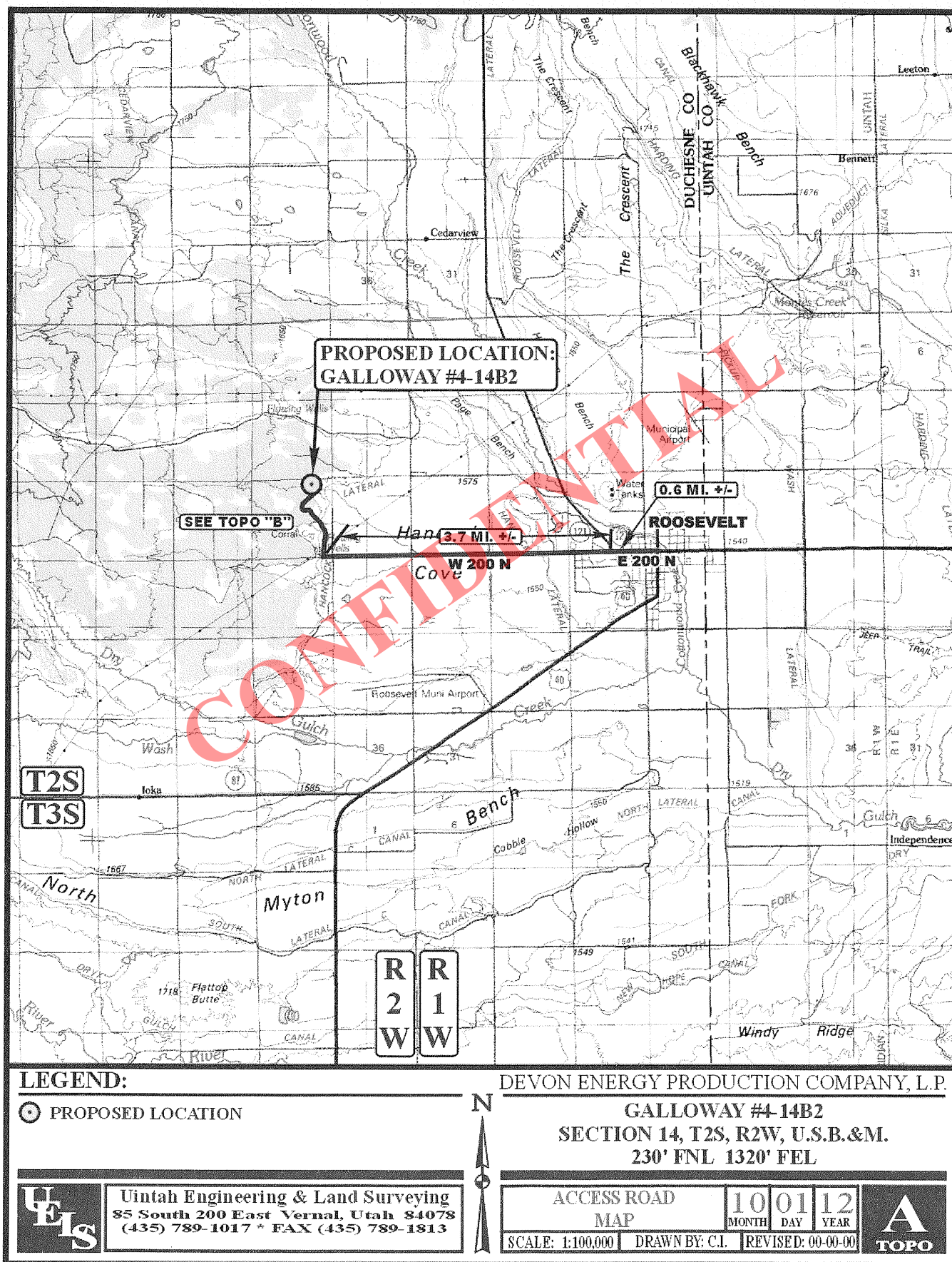
PARTY	REFERENCES
-------	------------

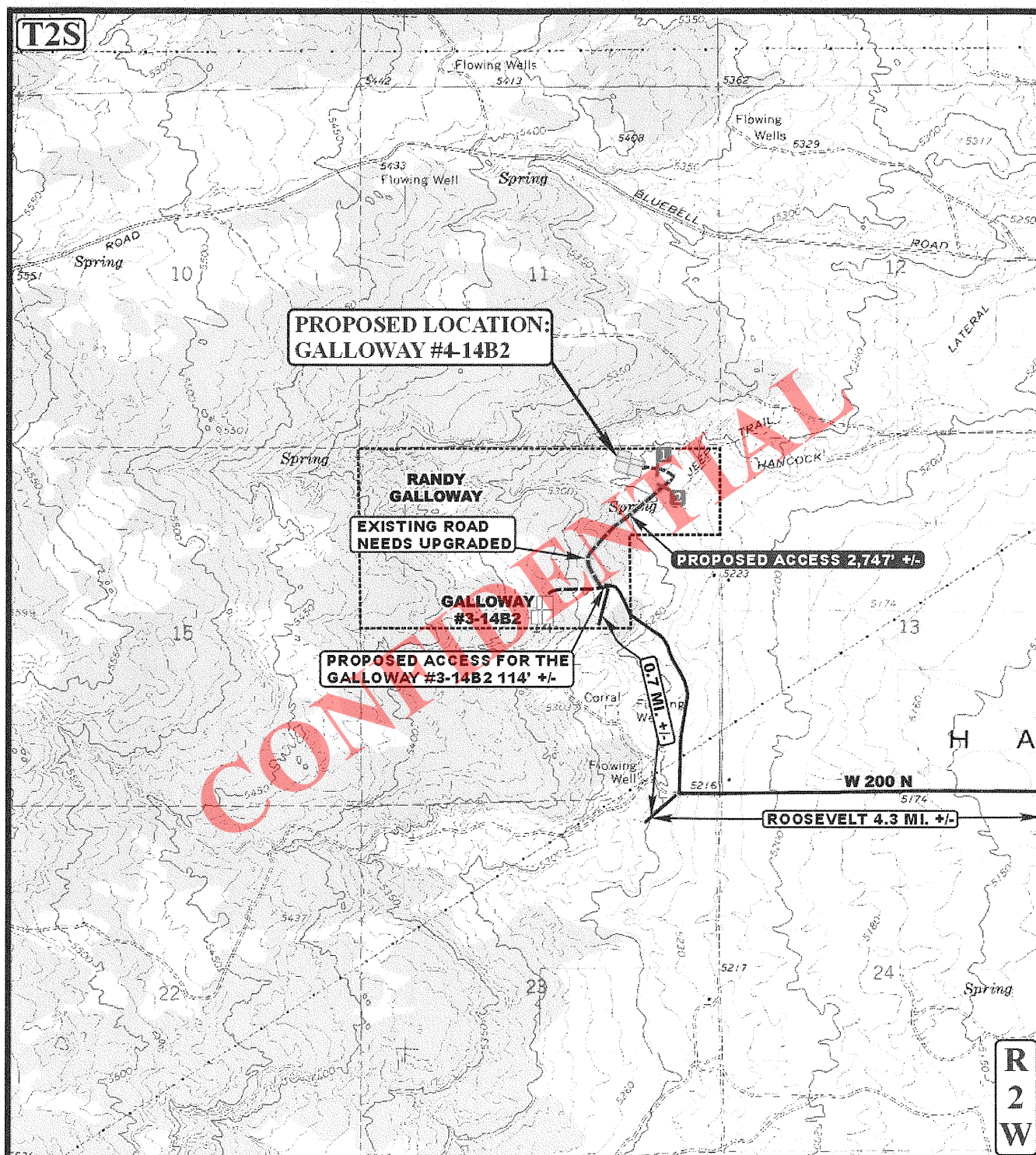
WEATHER	FILE DEVON ENERGY
---------	-------------------

PRODUCTION COMPANY, L.P.



NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°18'13.71" (40.303808)	LATITUDE = 40°18'55.63" (40.315453)
LONGITUDE = 110°04'19.78" (110.072181)	LONGITUDE = 110°04'19.76" (110.072156)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°18'13.87" (40.303853)	LATITUDE = 40°18'55.78" (40.315494)
LONGITUDE = 110°04'17.24" (110.071456)	LONGITUDE = 110°04'17.21" (110.071447)
STATE PLANE 54 F. 23084412 51	STATE PLANE 48 F. 23084415 57
NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°18'13.71" (40.303808)	LATITUDE = 40°18'55.63" (40.315453)
LONGITUDE = 110°04'19.78" (110.072181)	LONGITUDE = 110°04'19.76" (110.072156)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°18'13.87" (40.303853)	LATITUDE = 40°18'55.78" (40.315494)
LONGITUDE = 110°04'17.24" (110.071456)	LONGITUDE = 110°04'17.21" (110.071447)
STATE PLANE 54 F. 23084412 51	STATE PLANE 48 F. 23084415 57



**LEGEND:**

- EXISTING ROAD  
 - - - PROPOSED ACCESS ROAD  
 - - - EXISTING ROAD NEEDS UPGRADED  
 1 18" CMP REQUIRED 2 36" CMP REQUIRED



Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



DEVON ENERGY PRODUCTION COMPANY, L.P.

GALLOWAY #4-14B2  
 SECTION 14, T2S, R2W, U.S.B.&M.  
 230' FNL 1320' FEL

ACCESS ROAD  
MAP

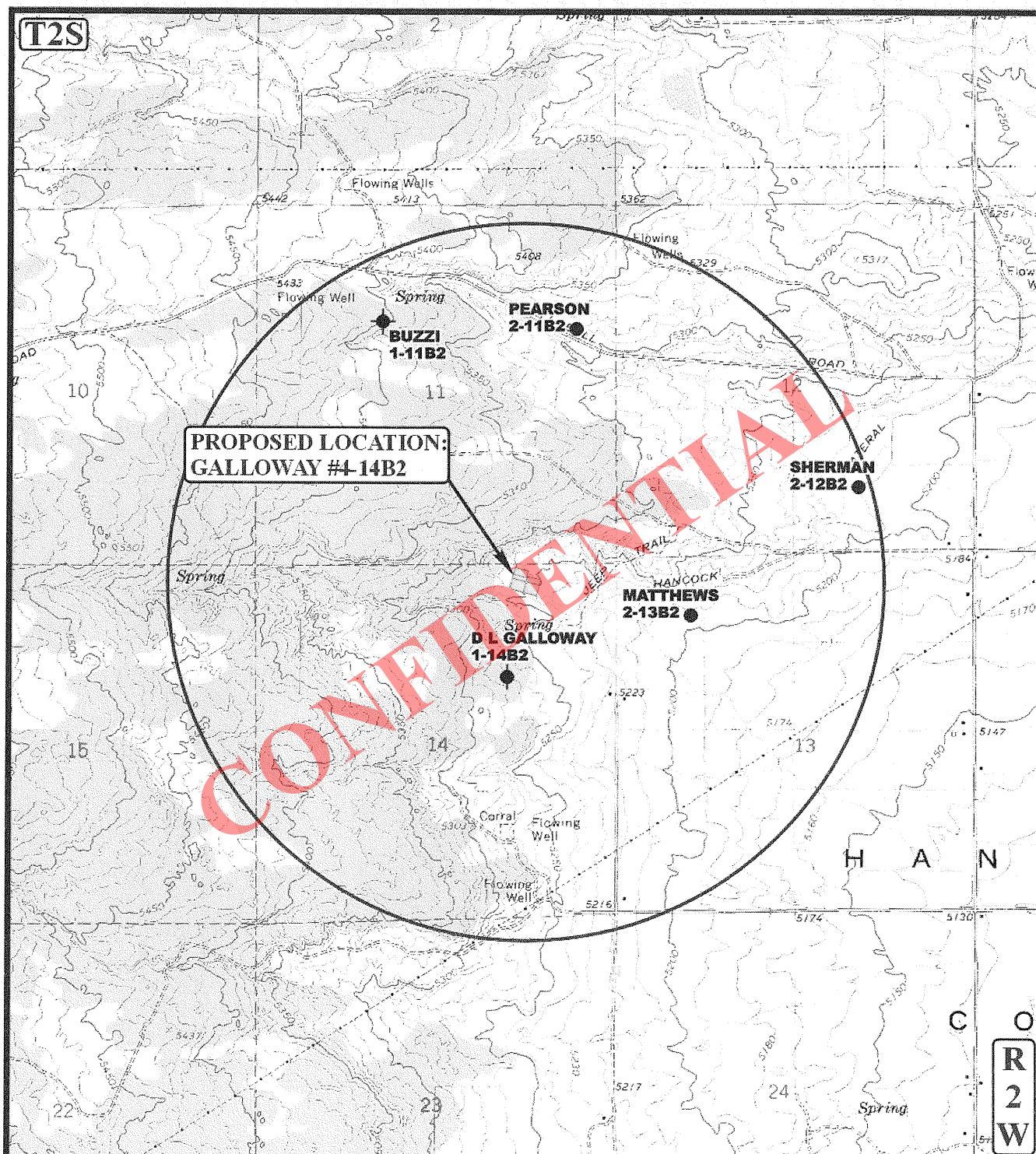
10 01 12  
MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: C.I.

REVISED: 00-00-00

B  
TOPO

**LEGEND:**

- |                   |                         |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS  | ● WATER WELLS           |
| ● PRODUCING WELLS | ● ABANDONED WELLS       |
| ● SHUT IN WELLS   | ● TEMPORARILY ABANDONED |



DEVON ENERGY PRODUCTION COMPANY, L.P.

**GALLOWAY #4-14B2****SECTION 14, T2S, R2W, U.S.B.&M.****230' FNL 1320' FEL**

**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

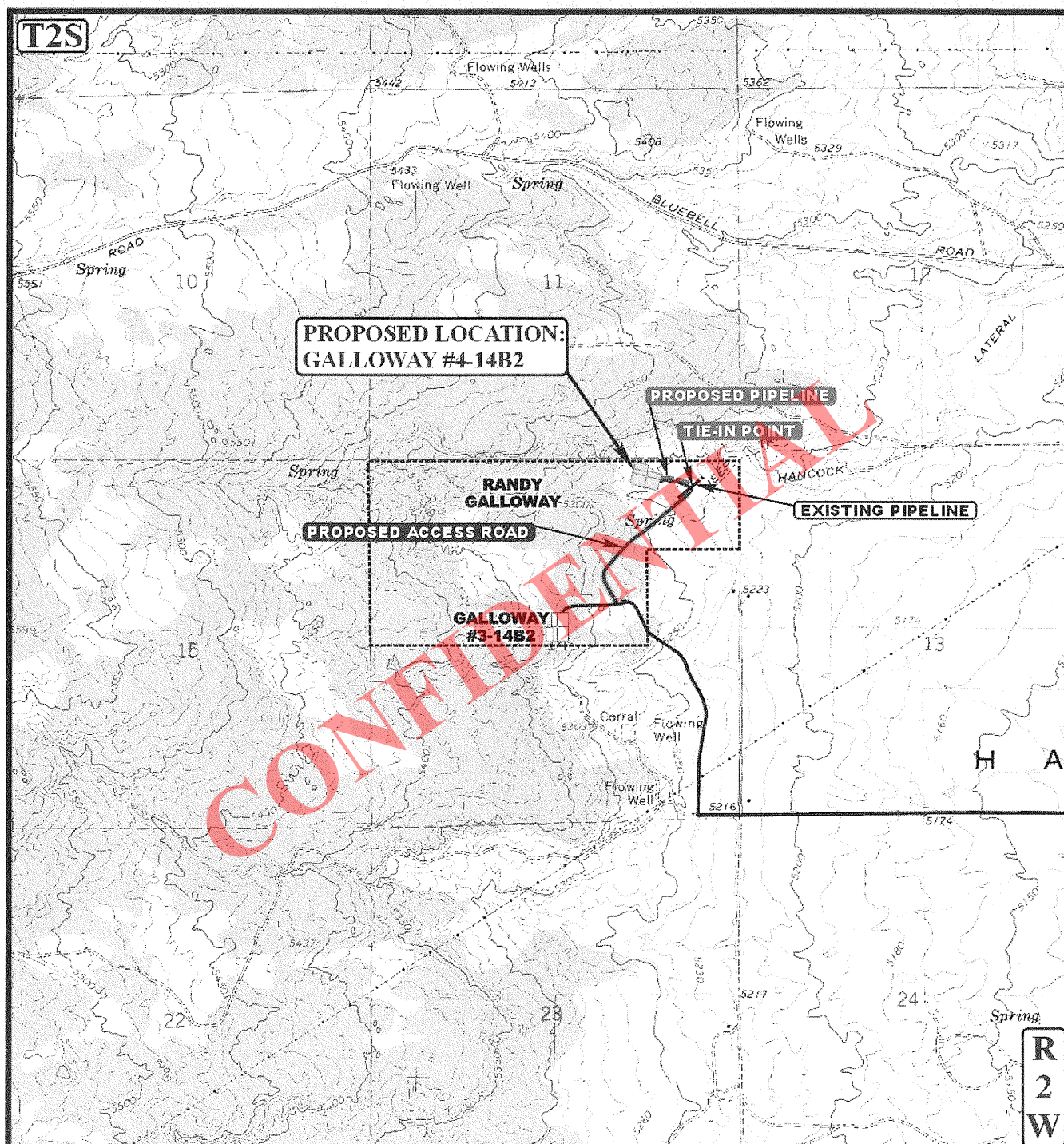
**10 01 12**  
 MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: C.I.

REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 506' +/-

**LEGEND:**

- 
- PROPOSED ACCESS ROAD  
 EXISTING PIPELINE  
 PROPOSED PIPELINE  
 PROPOSED PIPELINE (SERVICING OTHER WELLS)

DEVON ENERGY PRODUCTION COMPANY, L.P.

**GALLOWAY #4-14B2**

SECTION 14, T2S, R2W, U.S.B.&amp;M.

230' FNL 1320' FEL



**Utah Engineering & Land Surveying**  
**85 South 200 East Vernal, Utah 84078**  
**(435) 789-1017 \* FAX (435) 789-1813**

TOPOGRAPHIC  
MAP

10	01	12
MONTH	DAY	YEAR

SCALE: 1" = 2000'	DRAWN BY: C.I.	REVISED: 00-00-00
-------------------	----------------	-------------------

**D**  
**TOPO**

## DEVON ENERGY PRODUCTION COMPANY, L.P.

## LOCATION LAYOUT FOR

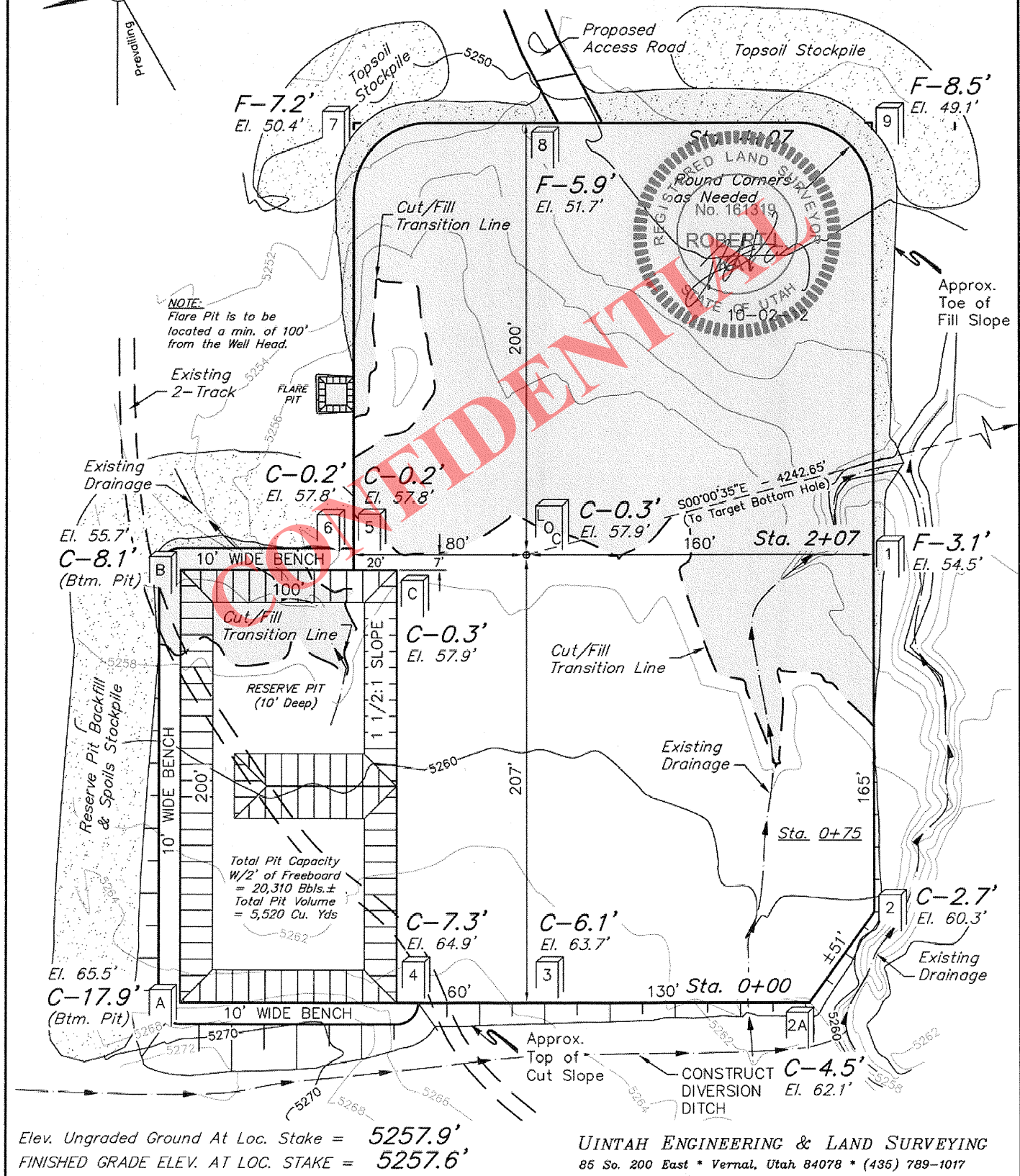
GALLOWAY #4-14B2  
SECTION 14, T2S, R2W, U.S.B.&M.  
230' FNL 1320' FEL

FIGURE #1

SCALE: 1" = 60'

DATE: 10-01-12

DRAWN BY: K.O.



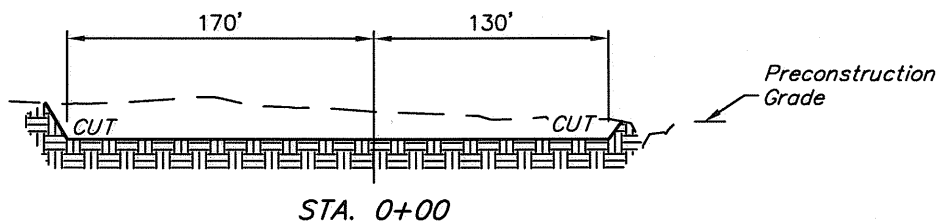
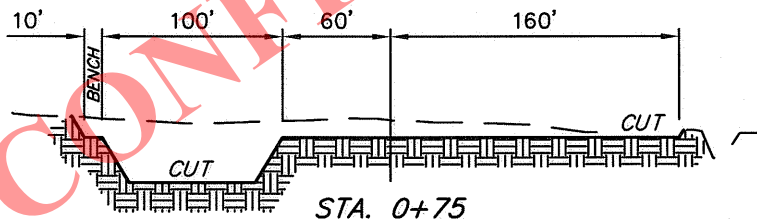
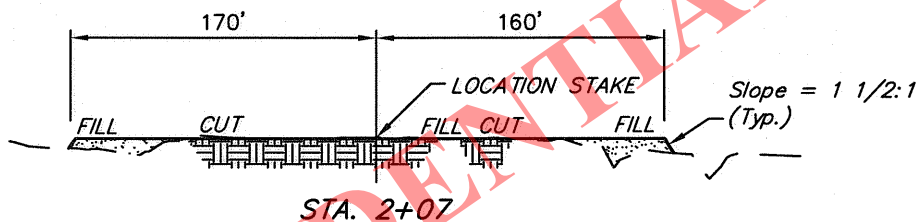
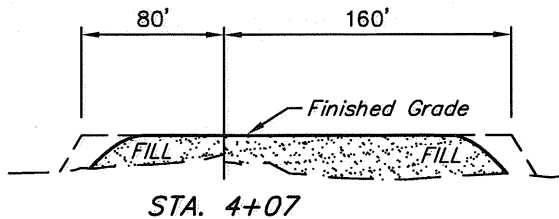
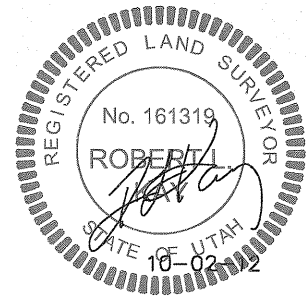
## DEVON ENERGY PRODUCTION COMPANY, L.P.

FIGURE #2

1" = 40'  
X-Section  
Scale  
1" = 100'

DATE: 10-01-12  
DRAWN BY: K.O.

TYPICAL CROSS SECTIONS FOR  
GALLOWAY #4-14B2  
SECTION 14, T2S, R2W, U.S.B.&M.  
230' FNL 1320' FEL



## NOTE:

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.

## APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 4.342 ACRES  
ACCESS ROAD DISTURBANCE = ± 1.866 ACRES  
PIPELINE DISTURBANCE = ± 0.329 ACRES  
TOTAL = ± 6.537 ACRES

\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

## APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,400 Cu. Yds.  
Remaining Location = 11,740 Cu. Yds.  
TOTAL CUT = 14,140 CU. YDS.  
FILL = 8,980 CU. YDS.

EXCESS MATERIAL = 5,160 Cu. Yds.  
Topsoil & Pit Backfill = 5,160 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

## DEVON ENERGY PRODUCTION COMPANY, L.P.

## TYPICAL RIG LAYOUT FOR

GALLOWAY #4-14B2

SECTION 14, T2S, R2W, U.S.B.&amp;M.

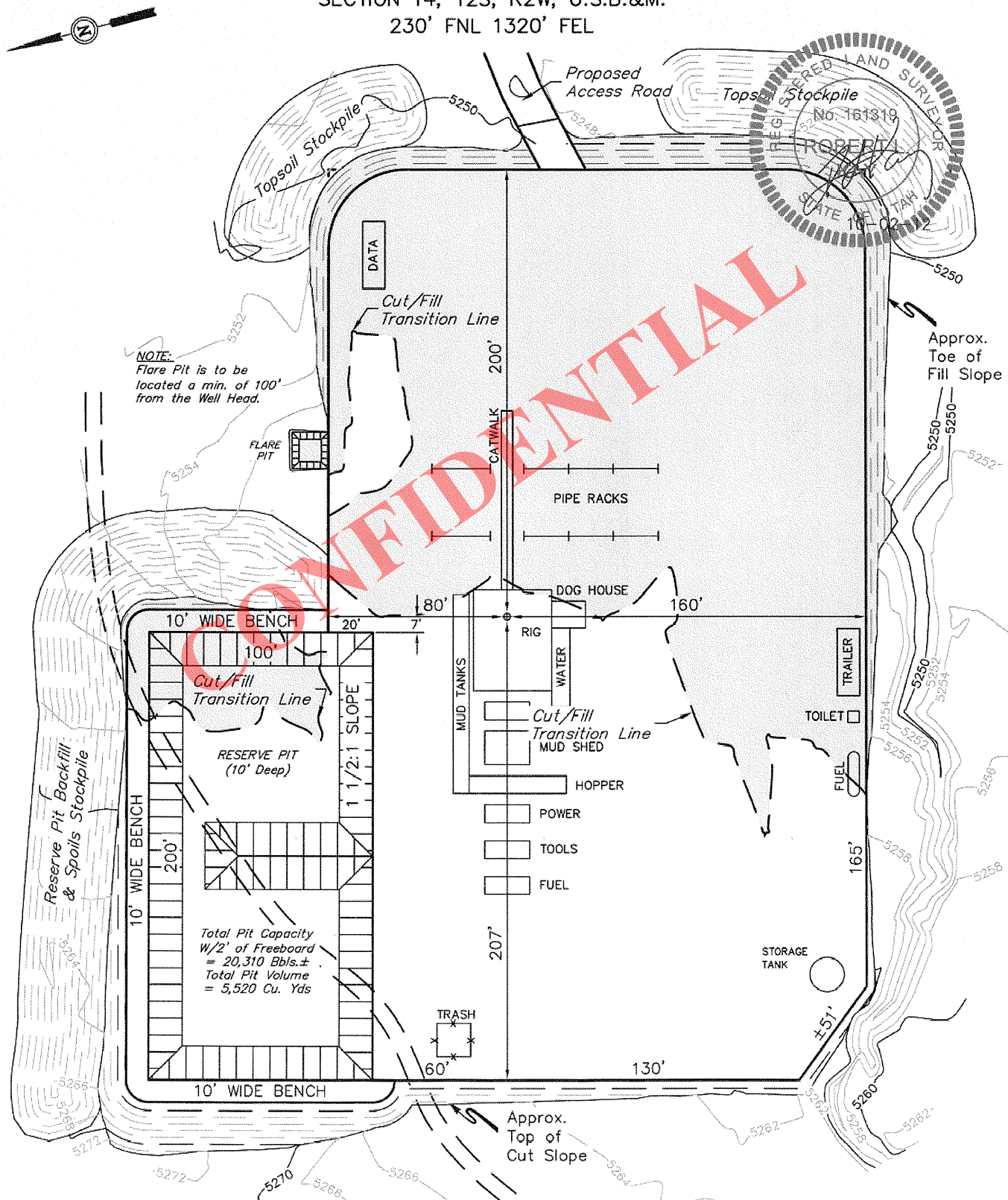
230' FNL 1320' FEL

FIGURE #3

SCALE: 1" = 60'

DATE: 10-01-12

DRAWN BY: K.O.



UINTAH ENGINEERING &amp; LAND SURVEYING

85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**DEVON ENERGY PRODUCTION COMPANY, L.P.**

(For GALLOWAY #4-14B2)

LOCATED IN  
SECTIONS 11 & 14, T2S, R2W, U.S.B.&M..  
DUCHESENE COUNTY, UTAH

LOCATED IN

## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION

## RIGHT-OF-WAY LENGTHS

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NO. 161313

**PAY WAS REPAID FROM  
THE LAND SURVEYOR**

**TRUE AND CORRECT TO  
No. 161319**

**REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319**

**STATE OF ALABAMA**

UTAH ENGINEERING & LAND SURVEYING  
85 SOUTH - 200 EAST • (435) 788-1017  
VERNAL, UTAH - 84078

SCALE	1" = 300'	DATE	10-01-12
PARTY	C.R. A.S. K.O.	REFERENCES	G.L.O. PLAT
WEATHER	COOL	FILE	5 2 9 5 1

1/4 Section Line

CORNER OF SECTION 14, T2S, R2W  
U.S.B.&M.

P.O.S.L. #2 BEARS S89°45'06"W  
1337.73' FROM THE SOUTHEAST  
CLOSING CORNER OF SECTION 11,  
T2S, R2W, U.S.B.&M.

**Randy  
Galloway**

P.O.S.L. #2  
L27  
26  
589°45'06"W - 2642.29' (Meas. to C.C.,  
589°45'06"W - 2632.94' (Meas. to True)

(Not Set on Ground)

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NE 1/4 NE 1/4  
SECTION 14, T2S, R2W, US 53 &M, WHICH BEARS  
S74°43'03" W 1156.69' FROM THE NORTH-EAST  
CORNER OF SAID SECTION 14, THENCE  
S14°58'59" W 172.01', THENCE N75°01'01" S 667.00'  
THENCE N14°58'59" S 357.50' TO A POINT ON THE  
NORTH LINE OF THE NW 1/4 NE 1/4 WHICH  
BEARS N68°45'06" E 1123.17' FROM THE NORTH  
1/4 CORNER OF SECTION 14, THENCE N14°58'59" E  
47.50'; THENCE S75°01'01" E 17.14' TO A POINT  
ON THE SOUTH LINE OF THE SW 1/4 SE 1/4 OF  
SECTION 11 WHICH BEARS S89°45'06" W 1337.73'  
FROM THE SOUTHEAST CORNER OF  
SECTION 11, T2S, R2W, US 53 &M, THENCE  
S75°01'01" E 292.56'; THENCE S14°58'59" W 232.99'  
TO THE POINT OF BEGINNING, BASIS OF  
BEARINGS IS A G.P.S. OBSERVATION, CONTAINS  
3.542 ACRES MORE OR LESS.

**END OF PROPOSED ROAD  
RIGHT-OF-WAY  
STA. 27+09.39**  
(At Edge of Surface Use Area)

**Randy  
Calloway**

**SURFACE USE AREA**  
**GALLOWAY #4-14B2**  
**Contains 4.342 Acres**

**Randy  
Galloway**

1/16 Section Line

#### ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

**NW 1/4**

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N30°57'24"W	326.06'
L2	N25°08'54"W	44.86'
L3	N15°30'51"W	96.20'
L4	N02°55'45"W	62.17'
L5	N17°16'55"E	50.07'
L6	N33°44'57"E	48.86'
L7	N41°42'00"E	393.34'
L8	N47°44'31"E	104.26'
L9	N53°47'28"E	187.49'
L10	N50°52'56"E	170.20'
L11	N44°58'30"E	71.16'
L12	N50°28'59"E	111.50'
L13	N55°33'40"E	81.43'
L14	N45°53'40"E	274.33'
L15	N51°28'47"E	245.20'
L16	N0°29'50"E	16.72'
L17	N45°29'27"W	116.61'
L18	N68°35'40"W	32.00'
L19	N79°49'12"W	23.51'
L20	N89°03'09"W	37.30'
L21	S79°06'03"W	34.04'
L22	S79°06'03"W	27.72'
L23	S75°01'51"W	172.01'
L24	S75°01'10"W	467.00'
L25	N14°58'59"E	357.90'
L26	N14°58'59"E	47.50'
L27	S75°01'01"E	174.44'
L28	S75°01'01"E	292.56'
L29	S14°58'59"W	232.95'

▲ = SECTION CORNERS LOCATED.  
Δ = SECTION CORNER RE-ESTABLISHED  
(NOT SET ON GROUND).

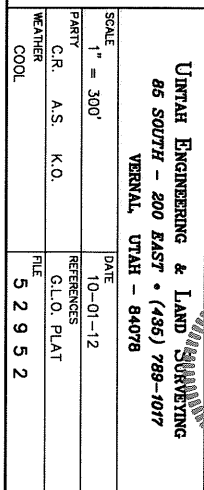
Sec. 14

1/4 Section Line

---

SW Cor Sec 13-  
Alum Cap

*Alum Cap*



DEVON ENERGY PRODUCTION  
COMPANY L.P.

GALLOWAY #4-14B2  
SECTION 14, T2S, R2W, U.S.B.&M.  
DUCHESNE COUNTY, UTAH

PROCEED IN A WESTERLY DIRECTION FROM ROOSEVELT, UTAH ALONG EAST 200 NORTH APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND WEST 200 NORTH TO THE WEST; PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE GALLOWAY #3-14B2 TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 114' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY, THEN NORTHEASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 2,747' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM ROOSEVELT, UTAH TO THE PROPOSED LOCATION IS APPROXIMATELY 5.5 MILES.

# DEVON ENERGY PRODUCTION COMPANY, L.P.

GALLOWAY #4-14B2

LOCATED IN DUCHESNE COUNTY, UTAH

SECTION 14, T2S, R2W, U.S.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

LOCATION PHOTOS

10 01 12  
MONTH DAY YEAR

PHOTO

TAKEN BY: C.R.

DRAWN BY: C.I.

REVISED: 00-00-00

API Well Number: 43013518180000

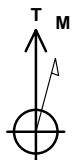
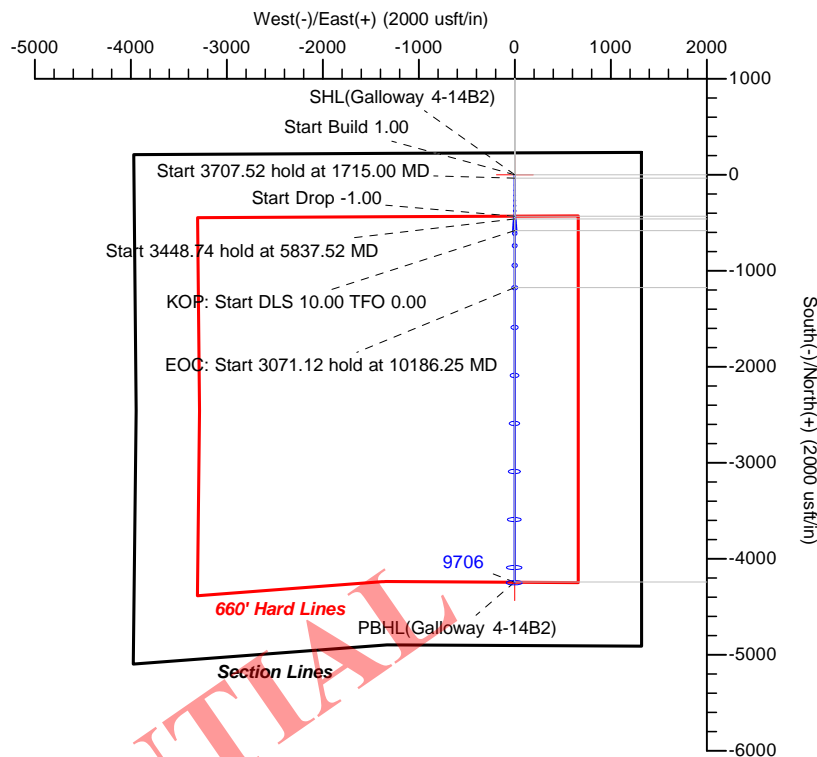
Project: Duchesne County, UT (NAD-83)

Site: Galloway

Well: 4-14B2

Wellbore: OH

Design: Plan #1

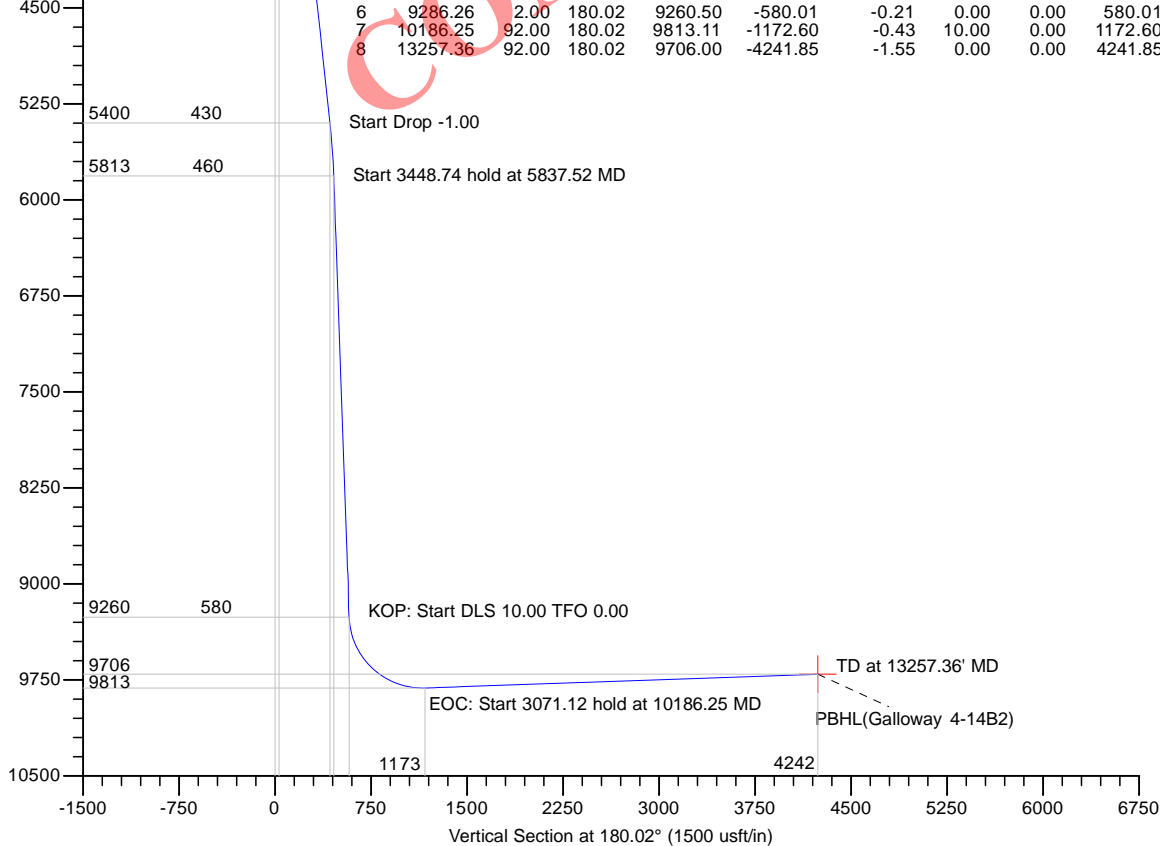
Azimuths to True North  
Magnetic North: 11.17°Magnetic Field  
Strength: 52269.7snT  
Dip Angle: 65.98°  
Date: 12/13/2012  
Model: IGRF2010

## DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL(Galloway 4-14B2)	0.00	0.00	0.00	7286810.14	2038555.78	40° 18' 55.630 N	110° 4' 19.760 W
PBHL(Galloway 4-14B2)	9706.00	-4241.85	-1.55	7282568.80	2038621.95	40° 18' 13.710 N	110° 4' 19.780 W

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.00
3	1715.00	6.15	180.02	1713.82	-32.97	-0.01	1.00	180.02	32.97	Start 3707.52 hold at 1715.00 MD
4	5422.52	6.15	180.02	5400.00	-430.17	-0.16	0.00	0.00	430.17	Start Drop -1.00
5	5837.52	2.00	180.02	5813.86	-459.65	-0.17	1.00	180.00	459.65	Start 3448.74 hold at 5837.52 MD
6	9286.26	2.00	180.02	9260.50	-580.01	-0.21	0.00	0.00	580.01	KOP: Start DLS 10.00 TFO 0.00
7	10186.25	92.00	180.02	9813.11	-1172.60	-0.43	10.00	0.00	1172.60	EOC: Start 3071.12 hold at 10186.25 MD
8	13257.36	92.00	180.02	9706.00	-4241.85	-1.55	0.00	0.00	4241.85	TD at 13257.36' MD

LEAM DRILLING SYSTEMS LLC  
2010 East Davis, Conroe, Texas 77301  
Phone: 936/756-7577, Fax 936/756-7595Plan: Plan #1 (4-14B2/OH)  
Galloway

Created By: Tyler Carlson Date: 15:43, December 13 2012

Date: Approved: Date: 2012

RECEIVED: October 30, 2012

## LEAM Drilling Systems LLC

## Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 4-14B2
<b>Company:</b>	DEVON ENERGY	<b>TVD Reference:</b>	GE 5258' + KB 23' @ 5281.00usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT (NAD-83)	<b>MD Reference:</b>	GE 5258' + KB 23' @ 5281.00usft (Original Well Elev)
<b>Site:</b>	Galloway	<b>North Reference:</b>	True
<b>Well:</b>	4-14B2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

<b>Project</b>	Duchesne County, UT (NAD-83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site		Galloway			
Site Position:		Northing:	7,286,810.14 usft	Latitude:	40° 18' 55.630 N
From:	Lat/Long	Easting:	2,038,555.78 usft	Longitude:	110° 4' 19.760 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.91 °

Well	4-14B2					
Well Position	+N/-S	0.00 usft	Northing:	7,286,810.14 usft	Latitude:	40° 18' 55.630 N
	+E/-W	0.00 usft	Easting:	2,038,555.78 usft	Longitude:	110° 4' 19.760 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	5,258.00 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	12/13/12	11.17	65.98	52,270

<b>Design</b>	Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>		<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	180.02	

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,715.00	6.15	180.02	1,713.82	-32.97	-0.01	1.00	1.00	0.00	180.02	
5,422.52	6.15	180.02	5,400.00	-430.17	-0.16	0.00	0.00	0.00	0.00	
5,837.52	2.00	180.02	5,813.86	-459.65	-0.17	1.00	-1.00	0.00	180.00	
9,286.26	2.00	180.02	9,260.50	-580.01	-0.21	0.00	0.00	0.00	0.00	
10,186.25	92.00	180.02	9,813.11	-1,172.60	-0.43	10.00	10.00	0.00	0.00	
13,257.36	92.00	180.02	9,706.00	-4,241.85	-1.55	0.00	0.00	0.00	0.00	PBHL(Galloway 4-14B2)

## LEAM Drilling Systems LLC

## Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 4-14B2
<b>Company:</b>	DEVON ENERGY	<b>TVD Reference:</b>	GE 5258' + KB 23' @ 5281.00usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT (NAD-83)	<b>MD Reference:</b>	GE 5258' + KB 23' @ 5281.00usft (Original Well Elev)
<b>Site:</b>	Galloway	<b>North Reference:</b>	True
<b>Well:</b>	4-14B2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 1.00</b>									
1,200.00	1.00	180.02	1,199.99	-0.87	0.00	0.87	1.00	1.00	0.00
1,300.00	2.00	180.02	1,299.96	-3.49	0.00	3.49	1.00	1.00	0.00
1,400.00	3.00	180.02	1,399.86	-7.85	0.00	7.85	1.00	1.00	0.00
1,500.00	4.00	180.02	1,499.68	-13.96	-0.01	13.96	1.00	1.00	0.00
1,600.00	5.00	180.02	1,599.37	-21.80	-0.01	21.80	1.00	1.00	0.00
1,700.00	6.00	180.02	1,698.90	-31.39	-0.01	31.39	1.00	1.00	0.00
1,715.00	6.15	180.02	1,713.82	-32.97	-0.01	32.97	1.00	1.00	0.00
<b>Start 3707.52 hold at 1715.00 MD</b>									
1,800.00	6.15	180.02	1,798.33	-42.08	-0.02	42.08	0.00	0.00	0.00
1,900.00	6.15	180.02	1,897.76	-52.79	-0.02	52.79	0.00	0.00	0.00
2,000.00	6.15	180.02	1,997.18	-63.51	-0.02	63.51	0.00	0.00	0.00
2,100.00	6.15	180.02	2,096.60	-74.22	-0.03	74.22	0.00	0.00	0.00
2,200.00	6.15	180.02	2,196.03	-84.93	-0.03	84.93	0.00	0.00	0.00
2,300.00	6.15	180.02	2,295.45	-95.65	-0.03	95.65	0.00	0.00	0.00
2,400.00	6.15	180.02	2,394.88	-106.36	-0.04	106.36	0.00	0.00	0.00
2,500.00	6.15	180.02	2,494.30	-117.07	-0.04	117.07	0.00	0.00	0.00
2,600.00	6.15	180.02	2,593.73	-127.79	-0.05	127.79	0.00	0.00	0.00
2,700.00	6.15	180.02	2,693.15	-138.50	-0.05	138.50	0.00	0.00	0.00
2,800.00	6.15	180.02	2,792.58	-149.21	-0.05	149.21	0.00	0.00	0.00
2,900.00	6.15	180.02	2,892.00	-159.93	-0.06	159.93	0.00	0.00	0.00
3,000.00	6.15	180.02	2,991.42	-170.64	-0.06	170.64	0.00	0.00	0.00
3,100.00	6.15	180.02	3,090.85	-181.35	-0.07	181.35	0.00	0.00	0.00
3,200.00	6.15	180.02	3,190.27	-192.07	-0.07	192.07	0.00	0.00	0.00
3,300.00	6.15	180.02	3,289.70	-202.78	-0.07	202.78	0.00	0.00	0.00
3,400.00	6.15	180.02	3,389.12	-213.49	-0.08	213.49	0.00	0.00	0.00
3,500.00	6.15	180.02	3,488.55	-224.20	-0.08	224.20	0.00	0.00	0.00
3,600.00	6.15	180.02	3,587.97	-234.92	-0.09	234.92	0.00	0.00	0.00
3,700.00	6.15	180.02	3,687.40	-245.63	-0.09	245.63	0.00	0.00	0.00
3,800.00	6.15	180.02	3,786.82	-256.34	-0.09	256.34	0.00	0.00	0.00
3,900.00	6.15	180.02	3,886.24	-267.06	-0.10	267.06	0.00	0.00	0.00
4,000.00	6.15	180.02	3,985.67	-277.77	-0.10	277.77	0.00	0.00	0.00
4,100.00	6.15	180.02	4,085.09	-288.48	-0.11	288.48	0.00	0.00	0.00
4,200.00	6.15	180.02	4,184.52	-299.20	-0.11	299.20	0.00	0.00	0.00
4,300.00	6.15	180.02	4,283.94	-309.91	-0.11	309.91	0.00	0.00	0.00
4,400.00	6.15	180.02	4,383.37	-320.62	-0.12	320.62	0.00	0.00	0.00
4,500.00	6.15	180.02	4,482.79	-331.34	-0.12	331.34	0.00	0.00	0.00
4,600.00	6.15	180.02	4,582.22	-342.05	-0.12	342.05	0.00	0.00	0.00
4,700.00	6.15	180.02	4,681.64	-352.76	-0.13	352.76	0.00	0.00	0.00
4,800.00	6.15	180.02	4,781.07	-363.48	-0.13	363.48	0.00	0.00	0.00

## LEAM Drilling Systems LLC

## Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 4-14B2
<b>Company:</b>	DEVON ENERGY	<b>TVD Reference:</b>	GE 5258' + KB 23' @ 5281.00usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT (NAD-83)	<b>MD Reference:</b>	GE 5258' + KB 23' @ 5281.00usft (Original Well Elev)
<b>Site:</b>	Galloway	<b>North Reference:</b>	True
<b>Well:</b>	4-14B2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,900.00	6.15	180.02	4,880.49	-374.19	-0.14	374.19	0.00	0.00	0.00
5,000.00	6.15	180.02	4,979.91	-384.90	-0.14	384.90	0.00	0.00	0.00
5,100.00	6.15	180.02	5,079.34	-395.62	-0.14	395.62	0.00	0.00	0.00
5,200.00	6.15	180.02	5,178.76	-406.33	-0.15	406.33	0.00	0.00	0.00
5,300.00	6.15	180.02	5,278.19	-417.04	-0.15	417.04	0.00	0.00	0.00
5,400.00	6.15	180.02	5,377.61	-427.76	-0.16	427.76	0.00	0.00	0.00
5,422.52	6.15	180.02	5,400.00	-430.17	-0.16	430.17	0.00	0.00	0.00
<b>Start Drop -1.00</b>									
5,500.00	5.38	180.02	5,477.09	-437.95	-0.16	437.95	1.00	-1.00	0.00
5,600.00	4.38	180.02	5,576.73	-446.45	-0.16	446.45	1.00	-1.00	0.00
5,700.00	3.38	180.02	5,676.50	-453.20	-0.17	453.20	1.00	-1.00	0.00
5,800.00	2.38	180.02	5,776.37	-458.22	-0.17	458.22	1.00	-1.00	0.00
5,837.52	2.00	180.02	5,813.86	-459.65	-0.17	459.65	1.00	-1.00	0.00
<b>Start 3448.74 hold at 5837.52 MD</b>									
5,900.00	2.00	180.02	5,876.30	-461.83	-0.17	461.83	0.00	0.00	0.00
6,000.00	2.00	180.02	5,976.24	-465.32	-0.17	465.32	0.00	0.00	0.00
6,100.00	2.00	180.02	6,076.18	-468.81	-0.17	468.81	0.00	0.00	0.00
6,200.00	2.00	180.02	6,176.12	-472.30	-0.17	472.30	0.00	0.00	0.00
6,300.00	2.00	180.02	6,276.06	-475.79	-0.17	475.79	0.00	0.00	0.00
6,400.00	2.00	180.02	6,376.00	-479.28	-0.18	479.28	0.00	0.00	0.00
6,500.00	2.00	180.02	6,475.94	-482.77	-0.18	482.77	0.00	0.00	0.00
6,600.00	2.00	180.02	6,575.88	-486.26	-0.18	486.26	0.00	0.00	0.00
6,700.00	2.00	180.02	6,675.82	-489.75	-0.18	489.75	0.00	0.00	0.00
6,800.00	2.00	180.02	6,775.76	-493.24	-0.18	493.24	0.00	0.00	0.00
6,900.00	2.00	180.02	6,875.70	-496.73	-0.18	496.73	0.00	0.00	0.00
7,000.00	2.00	180.02	6,975.63	-500.22	-0.18	500.22	0.00	0.00	0.00
7,100.00	2.00	180.02	7,075.57	-503.71	-0.18	503.71	0.00	0.00	0.00
7,200.00	2.00	180.02	7,175.51	-507.20	-0.19	507.20	0.00	0.00	0.00
7,300.00	2.00	180.02	7,275.45	-510.69	-0.19	510.69	0.00	0.00	0.00
7,400.00	2.00	180.02	7,375.39	-514.18	-0.19	514.18	0.00	0.00	0.00
7,500.00	2.00	180.02	7,475.33	-517.67	-0.19	517.67	0.00	0.00	0.00
7,600.00	2.00	180.02	7,575.27	-521.16	-0.19	521.16	0.00	0.00	0.00
7,700.00	2.00	180.02	7,675.21	-524.65	-0.19	524.65	0.00	0.00	0.00
7,800.00	2.00	180.02	7,775.15	-528.14	-0.19	528.14	0.00	0.00	0.00
7,900.00	2.00	180.02	7,875.09	-531.63	-0.19	531.63	0.00	0.00	0.00
8,000.00	2.00	180.02	7,975.03	-535.12	-0.20	535.12	0.00	0.00	0.00
8,100.00	2.00	180.02	8,074.96	-538.61	-0.20	538.61	0.00	0.00	0.00
8,200.00	2.00	180.02	8,174.90	-542.10	-0.20	542.10	0.00	0.00	0.00
8,300.00	2.00	180.02	8,274.84	-545.59	-0.20	545.59	0.00	0.00	0.00
8,400.00	2.00	180.02	8,374.78	-549.08	-0.20	549.08	0.00	0.00	0.00
8,500.00	2.00	180.02	8,474.72	-552.57	-0.20	552.57	0.00	0.00	0.00
8,600.00	2.00	180.02	8,574.66	-556.06	-0.20	556.06	0.00	0.00	0.00
8,700.00	2.00	180.02	8,674.60	-559.55	-0.20	559.55	0.00	0.00	0.00
8,800.00	2.00	180.02	8,774.54	-563.04	-0.21	563.04	0.00	0.00	0.00
8,900.00	2.00	180.02	8,874.48	-566.53	-0.21	566.53	0.00	0.00	0.00
9,000.00	2.00	180.02	8,974.42	-570.02	-0.21	570.02	0.00	0.00	0.00
9,100.00	2.00	180.02	9,074.36	-573.51	-0.21	573.51	0.00	0.00	0.00
9,200.00	2.00	180.02	9,174.29	-577.00	-0.21	577.00	0.00	0.00	0.00
9,286.26	2.00	180.02	9,260.50	-580.01	-0.21	580.01	0.00	0.00	0.00
<b>KOP: Start DLS 10.00 TFO 0.00</b>									
9,300.00	3.37	180.02	9,274.23	-580.66	-0.21	580.66	10.00	10.00	0.00
9,350.00	8.37	180.02	9,323.95	-585.77	-0.21	585.77	10.00	10.00	0.00

## LEAM Drilling Systems LLC

## Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 4-14B2
<b>Company:</b>	DEVON ENERGY	<b>TVD Reference:</b>	GE 5258' + KB 23' @ 5281.00usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT (NAD-83)	<b>MD Reference:</b>	GE 5258' + KB 23' @ 5281.00usft (Original Well Elev)
<b>Site:</b>	Galloway	<b>North Reference:</b>	True
<b>Well:</b>	4-14B2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,400.00	13.37	180.02	9,373.03	-595.20	-0.22	595.20	10.00	10.00	0.00
9,450.00	18.37	180.02	9,421.11	-608.87	-0.22	608.87	10.00	10.00	0.00
9,500.00	23.37	180.02	9,467.82	-626.68	-0.23	626.68	10.00	10.00	0.00
9,550.00	28.37	180.02	9,512.79	-648.50	-0.24	648.50	10.00	10.00	0.00
9,600.00	33.37	180.02	9,555.69	-674.15	-0.25	674.15	10.00	10.00	0.00
9,650.00	38.37	180.02	9,596.19	-703.44	-0.26	703.44	10.00	10.00	0.00
9,700.00	43.37	180.02	9,633.99	-736.15	-0.27	736.15	10.00	10.00	0.00
9,750.00	48.37	180.02	9,668.79	-772.03	-0.28	772.03	10.00	10.00	0.00
9,800.00	53.37	180.02	9,700.33	-810.80	-0.30	810.80	10.00	10.00	0.00
9,850.00	58.37	180.02	9,728.37	-852.18	-0.31	852.18	10.00	10.00	0.00
9,900.00	63.37	180.02	9,752.70	-895.84	-0.33	895.84	10.00	10.00	0.00
9,950.00	68.37	180.02	9,773.13	-941.46	-0.34	941.46	10.00	10.00	0.00
10,000.00	73.37	180.02	9,789.51	-988.69	-0.36	988.69	10.00	10.00	0.00
10,050.00	78.37	180.02	9,801.71	-1,037.16	-0.38	1,037.16	10.00	10.00	0.00
10,100.00	83.37	180.02	9,809.64	-1,086.51	-0.40	1,086.51	10.00	10.00	0.00
10,150.00	88.37	180.02	9,813.23	-1,136.36	-0.42	1,136.36	10.00	10.00	0.00
10,186.25	92.00	180.02	9,813.11	-1,172.60	-0.43	1,172.60	10.00	10.00	0.00
EOC: Start 3071.12 hold at 10186.25 MD									
10,200.00	92.00	180.02	9,812.63	-1,186.35	-0.43	1,186.35	0.00	0.00	0.00
10,300.00	92.00	180.02	9,809.15	-1,286.29	-0.47	1,286.29	0.00	0.00	0.00
10,400.00	92.00	180.02	9,805.66	-1,386.23	-0.51	1,386.23	0.00	0.00	0.00
10,500.00	92.00	180.02	9,802.17	-1,486.17	-0.54	1,486.17	0.00	0.00	0.00
10,600.00	92.00	180.02	9,798.68	-1,586.11	-0.58	1,586.11	0.00	0.00	0.00
10,700.00	92.00	180.02	9,795.19	-1,686.05	-0.62	1,686.05	0.00	0.00	0.00
10,800.00	92.00	180.02	9,791.71	-1,785.98	-0.65	1,785.98	0.00	0.00	0.00
10,900.00	92.00	180.02	9,788.22	-1,885.92	-0.69	1,885.92	0.00	0.00	0.00
11,000.00	92.00	180.02	9,784.73	-1,985.86	-0.73	1,985.86	0.00	0.00	0.00
11,100.00	92.00	180.02	9,781.24	-2,085.80	-0.76	2,085.80	0.00	0.00	0.00
11,200.00	92.00	180.02	9,777.76	-2,185.74	-0.80	2,185.74	0.00	0.00	0.00
11,300.00	92.00	180.02	9,774.27	-2,285.68	-0.83	2,285.68	0.00	0.00	0.00
11,400.00	92.00	180.02	9,770.78	-2,385.62	-0.87	2,385.62	0.00	0.00	0.00
11,500.00	92.00	180.02	9,767.29	-2,485.56	-0.91	2,485.56	0.00	0.00	0.00
11,600.00	92.00	180.02	9,763.81	-2,585.50	-0.94	2,585.50	0.00	0.00	0.00
11,700.00	92.00	180.02	9,760.32	-2,685.44	-0.98	2,685.44	0.00	0.00	0.00
11,800.00	92.00	180.02	9,756.83	-2,785.38	-1.02	2,785.38	0.00	0.00	0.00
11,900.00	92.00	180.02	9,753.34	-2,885.31	-1.05	2,885.32	0.00	0.00	0.00
12,000.00	92.00	180.02	9,749.85	-2,985.25	-1.09	2,985.25	0.00	0.00	0.00
12,100.00	92.00	180.02	9,746.37	-3,085.19	-1.13	3,085.19	0.00	0.00	0.00
12,200.00	92.00	180.02	9,742.88	-3,185.13	-1.16	3,185.13	0.00	0.00	0.00
12,300.00	92.00	180.02	9,739.39	-3,285.07	-1.20	3,285.07	0.00	0.00	0.00
12,400.00	92.00	180.02	9,735.90	-3,385.01	-1.24	3,385.01	0.00	0.00	0.00
12,500.00	92.00	180.02	9,732.42	-3,484.95	-1.27	3,484.95	0.00	0.00	0.00
12,600.00	92.00	180.02	9,728.93	-3,584.89	-1.31	3,584.89	0.00	0.00	0.00
12,700.00	92.00	180.02	9,725.44	-3,684.83	-1.35	3,684.83	0.00	0.00	0.00
12,800.00	92.00	180.02	9,721.95	-3,784.77	-1.38	3,784.77	0.00	0.00	0.00
12,900.00	92.00	180.02	9,718.46	-3,884.71	-1.42	3,884.71	0.00	0.00	0.00
13,000.00	92.00	180.02	9,714.98	-3,984.65	-1.46	3,984.65	0.00	0.00	0.00
13,100.00	92.00	180.02	9,711.49	-4,084.58	-1.49	4,084.59	0.00	0.00	0.00
13,200.00	92.00	180.02	9,708.00	-4,184.52	-1.53	4,184.52	0.00	0.00	0.00
13,257.36	92.00	180.02	9,706.00	-4,241.85	-1.55	4,241.85	0.00	0.00	0.00
TD at 13257.36' MD									

## LEAM Drilling Systems LLC

## Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 4-14B2
<b>Company:</b>	DEVON ENERGY	<b>TVD Reference:</b>	GE 5258' + KB 23' @ 5281.00usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT (NAD-83)	<b>MD Reference:</b>	GE 5258' + KB 23' @ 5281.00usft (Original Well Elev)
<b>Site:</b>	Galloway	<b>North Reference:</b>	True
<b>Well:</b>	4-14B2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL(Galloway 4-14B2) - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	7,286,810.14	2,038,555.78	40° 18' 55.630 N	110° 4' 19.760 W
PBHL(Galloway 4-14B2) - plan hits target center - Point	0.00	0.00	9,706.00	-4,241.85	-1.55	7,282,568.81	2,038,621.94	40° 18' 13.710 N	110° 4' 19.780 W

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,100.00	1,100.00	0.00	0.00	Start Build 1.00	
1,715.00	1,713.82	-32.97	-0.01	Start 3707.52 hold at 1715.00 MD	
5,422.52	5,400.00	-430.17	-0.16	Start Drop -1.00	
5,837.52	5,813.86	-459.65	-0.17	Start 3448.74 hold at 5837.52 MD	
9,286.26	9,260.50	-580.01	-0.21	KOP: Start DLS 10.00 TFO 0.00	
10,186.25	9,813.11	-1,172.60	-0.43	EOC: Start 3071.12 hold at 10186.25 MD	
13,257.36	9,706.00	-4,241.85	-1.55	TD at 13257.36' MD	

DEVON ENERGY

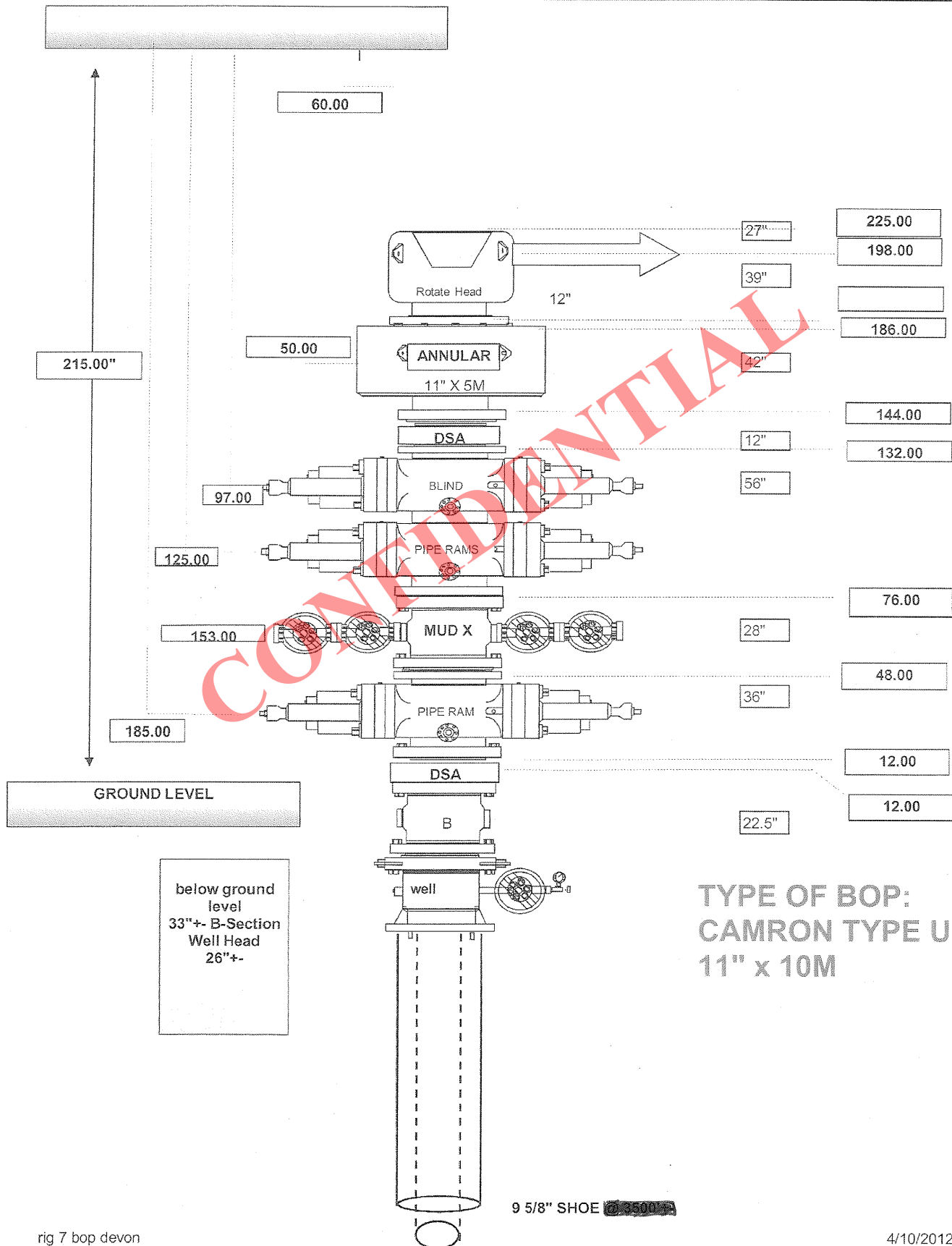
## DRILLING PHASE

AC 8 3/4" ~~9 1/8"~~ BOP Stack Diagram  
HOLE SECTION

DATE:

6/3/12

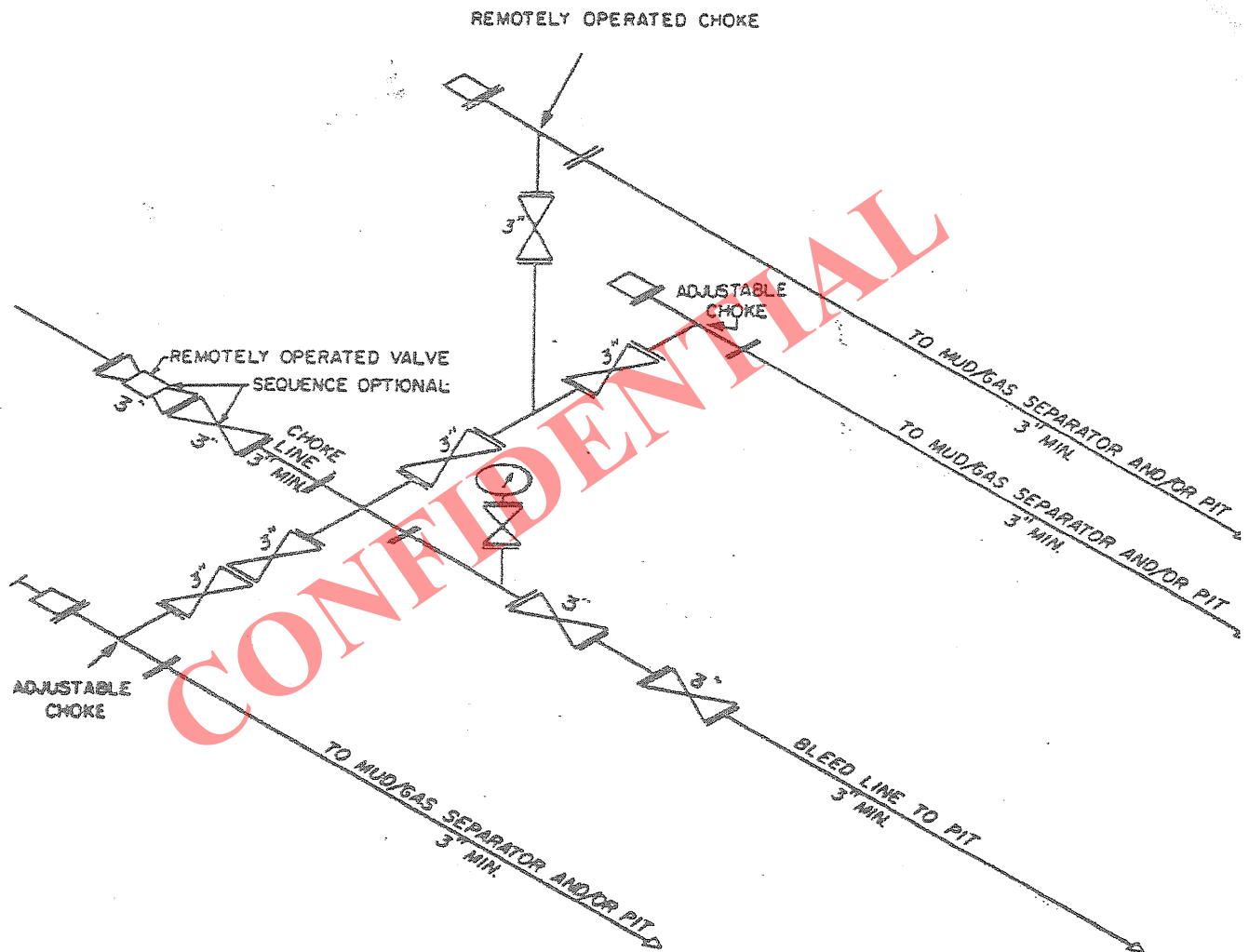
Rig: Frontier Drilling Rig # 7



rig 7 bop devon

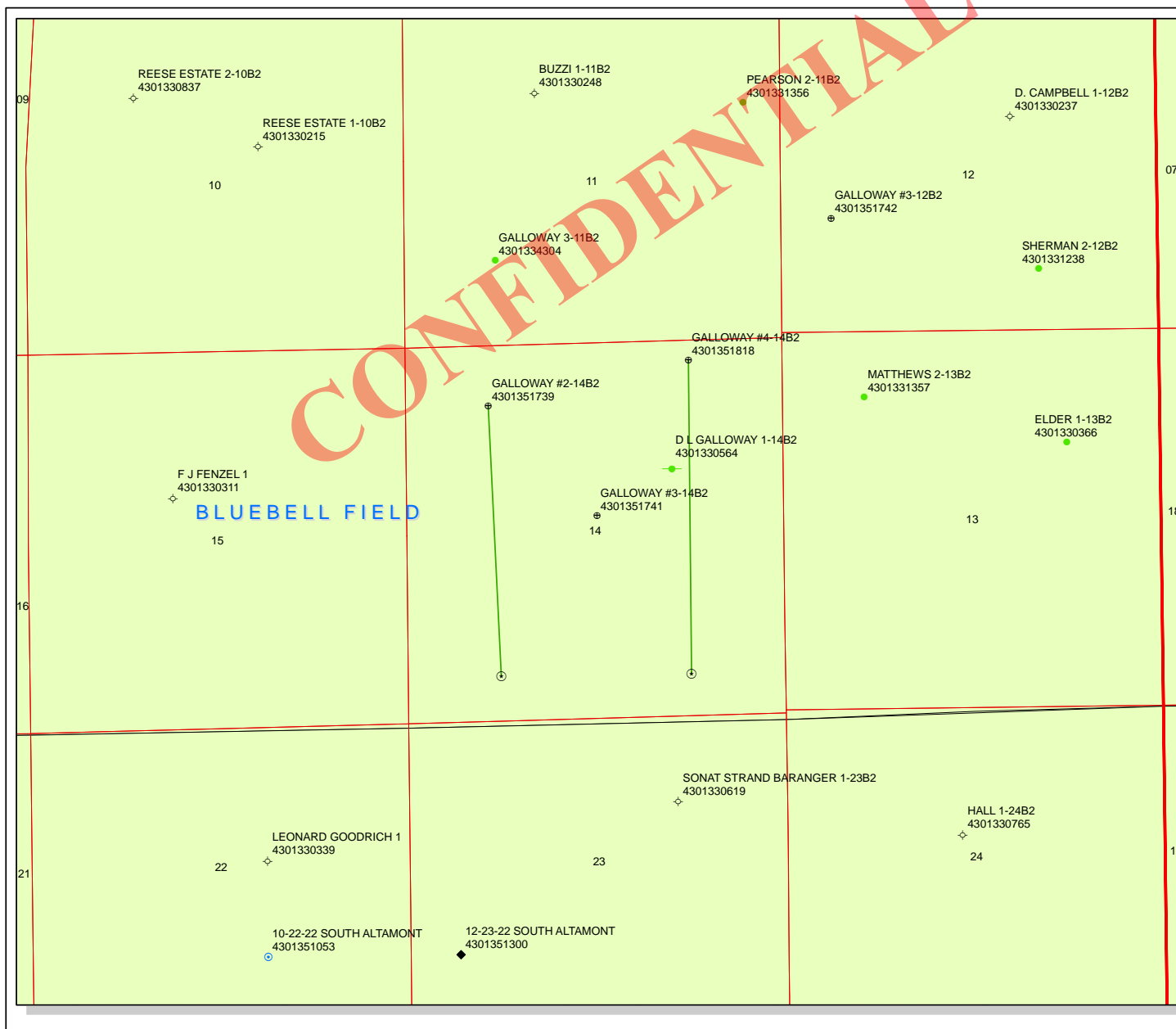
4/10/2012

RECEIVED: October 30, 2012



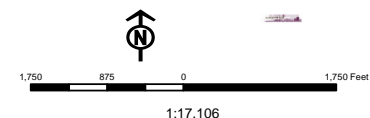
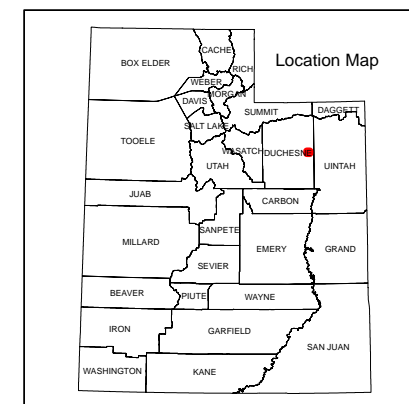
① ② 10M AND 15M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES  
MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, or 15M drawings, it would also be applicable to those situations.



**API Number: 4301351818**  
**Well Name: GALLOWAY #4-14B2**  
**Township T02.0S Range R02.0W Section 14**  
**Meridian: UBM**  
Operator: DEVON ENERGY PROD CO LP  
Map Prepared:  
Map Produced by Diana Mason

Units	Wells Query
STATUS	STATUS
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LOC - New Location
PI OIL	OPS - Operation Suspended
PP GAS	PA - Plugged Abandoned
PP GEOTHERM	PGW - Producing Gas Well
PP OIL	POW - Producing Oil Well
SECONDARY	SGW - Shut-in Gas Well
TERMINATED	SOW - Shut-in Oil Well
Fields	TA - Temp. Abandoned
Unknown	TW - Test Well
ABANDONED	WDW - Water Disposal
ACTIVE	WW - Water Injection Well
COMBINED	WSW - Water Supply Well
INACTIVE	Bottom Hole Location - Oil/Gas/Dib
STORAGE	
TERMINATED	



AFFIDAVIT OF SURFACE DAMAGE  
AND RIGHT-OF-WAY  
SETTLEMENT AGREEMENT  
FOR WELLSITE, ROAD AND PIPELINE  
DEVON ENERGY PRODUCTION COMPANY, LP., OPERATOR  
GALLOWAY 4-14B2H  
Duchesne County, Utah

STATE OF UTAH:

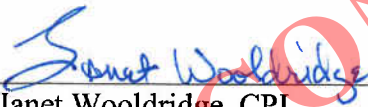
COUNTY OF DUCHESNE:

WHEREAS, the undersigned, Janet Wooldridge, (affiant), whose mailing address is Devon Energy Production Company, L.P., 333 West Sheridan Avenue, Oklahoma City, OK 73102, does hereby state the following facts:

That Devon Energy Production Company, L.P. entered into A Surface Damage and Right-of-Way Settlement Agreement dated October 25, 2012, for the drilling of the Galloway 4-14B2H well on surface lands owned by Randy Galloway, whose address is 15586 SE Yakima St, Prineville, OR 97754 and Shauna Dee Buggie, whose address is 631 McKee Drive, Gallup, NM 87301.

Lands covered by these Agreements include Section 11 and 14, Township 2 South, Range 2 West, USM, of Duchesne County, Utah.

NOW THEREFORE, the undersigned affiant, Janet Wooldridge, of lawful age, states the above facts are true and correct to the best of her knowledge. Signed this 14<sup>th</sup> day of November, 2012.

  
\_\_\_\_\_  
Janet Wooldridge, CPL  
Land Advisor  
Devon Energy Production Company, L.P.  
333 West Sheridan Avenue  
Oklahoma City, Oklahoma 73102

STATE OF OKLAHOMA:

COUNTY OF OKLAHOMA:

On the 14th day of November, 2012, Janet Wooldridge, personally appeared before me, who, being by me duly sworn, did state that she is a Land Advisor for Devon Energy Production Company, L.P. and that said instrument was signed on behalf of said corporation.

My Commission Expires:

01/26/2015



  
\_\_\_\_\_  
Notary Public

SCALE	1" = 300'	DATE	10-01-12
PARTY	C.R. AS. K.O.	REFERENCE	G.L.O. PLAT
#WATER		FILE	5 2 9 5 1
COORD.			

5296

Well Name	DEVON ENERGY PROD CO LP GALLOWAY #4-14B2 43013518180000			
String	SURF	I1	PROD	PROD
Casing Size(in)	13.375	9.625	7.000	5.500
Setting Depth (TVD)	1000	5000	10143	13308
Previous Shoe Setting Depth (TVD)	0	1000	5000	10143
Max Mud Weight (ppg)	8.5	12.0	10.5	10.5
BOPE Proposed (psi)	500	3000	5000	5000
Casing Internal Yield (psi)	3090	5750	11220	12360
Operators Max Anticipated Pressure (psi)	5663			8.2

Calculations	SURF String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	442	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	322	YES <input type="checkbox"/> diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	222	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	222	NO <input type="checkbox"/> OK
Required Casing/BOPE Test Pressure=		1000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	3120	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2520	YES <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2020	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2240	NO <input type="checkbox"/> OK
Required Casing/BOPE Test Pressure=		4025	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1000	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	5538	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4321	YES <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3307	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	4407	YES <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		5000	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	7266	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	5669	NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4338	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	6570	YES <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		10143	psi *Assumes 1psi/ft frac gradient

710 FSL wr. Sec.  
SW SE Sec 14-2S-2W

Well name:	<b>43013518180000 Galloway 4-14B2</b>	
Operator:	<b>DEVON ENERGY PROD CO LP</b>	
String type:	Surface	Project ID: 43-013-51818
Location:	DUCHESNE COUNTY	

**Design parameters:****Collapse**

Mud weight: 8.500 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 88 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 220 ft

**Burst**

Max anticipated surface pressure: 880 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 1,000 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 873 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 4,980 ft  
Next mud weight: 12.000 ppg  
Next setting BHP: 3,104 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,000 ft  
Injection pressure: 1,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1000	13.375	61.00	J-55	Buttress	1000	1000	12.39	14134
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	441	1540	3.488	1000	3090	3.09	61	961.8	15.77 B

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: November 27, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013518180000 Galloway 4-14B2</b>	
Operator:	<b>DEVON ENERGY PROD CO LP</b>	
String type:	Intermediate	Project ID: 43-013-51818
Location:	DUCHESNE COUNTY	

**Design parameters:****Collapse**

Mud weight: 12.000 ppg  
Internal fluid density: 2.000 ppg

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 144 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 1,165 ft

**Burst**

Max anticipated surface pressure: 3,196 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 4,291 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Tension is based on air weight.  
Neutral point: 4,106 ft

**Directional Info - Build & Hold**

Kick-off point 1100 ft  
Departure at shoe: 385 ft  
Maximum dogleg: 1 °/100ft  
Inclination at shoe: 6.15 °

**Re subsequent strings:**

Next setting depth: 9,820 ft  
Next mud weight: 10.500 ppg  
Next setting BHP: 5,356 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 4,980 ft  
Injection pressure: 4,980 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	5000	9.625	40.00	N-80	LT&C	4980	5000	8.75	63624

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2587	3090	1.194	4291	5750	1.34	199.2	737	3.70 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801-538-5357  
FAX: 801-359-3940

Date: November 27, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 4980 ft, a mud weight of 12 ppg. An internal gradient of .104 psi/ft was used for collapse from TD to 4980 ft. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:	<b>43013518180000 Galloway 4-14B2</b>	
Operator:	<b>DEVON ENERGY PROD CO LP</b>	
String type:	Intermediate: Prod'n	Project ID: 43-013-51818
Location:	DUCHESNE COUNTY	

**Design parameters:****Collapse**

Mud weight: 12.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 211 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 2,203 ft

**Burst**

Max anticipated surface pressure: 4,216 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 6,376 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Tension is based on air weight.  
Neutral point: 8,061 ft

**Directional Info - Build & Hold**

Kick-off point 1100 ft  
Departure at shoe: 1119 ft  
Maximum dogleg: 10 °/100ft  
Inclination at shoe: 87 °

**Production liner info:**

Liner setting depth: 9,820 ft  
Pore pressure equivalent: 12,500 ppg  
Assumed BHP at TD: 6,376 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	10143	7	29.00	P-110	Buttress	9820	10143	6.059	122574

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	6121	8145	1.331	6376	11220	1.76	284.8	929.4	3.26 B

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: November 27, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 9820 ft, a mud weight of 12 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	<b>43013518180000 Galloway 4-14B2</b>	
Operator:	<b>DEVON ENERGY PROD CO LP</b>	
String type:	Production Liner	Project ID: 43-013-51818
Location:	DUCHESNE COUNTY	

**Design parameters:****Collapse**

Mud weight: 12.500 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 210 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 12,282 ft

**Burst**

Max anticipated surface pressure: 4,170 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 6,306 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Tension is based on air weight.  
Neutral point: 0 ft

Liner top: 10,143 ft

**Directional Info - Build & Hold**

Kick-off point 1100 ft  
Departure at shoe: 4282 ft  
Maximum dogleg: 10 °/100ft  
Inclination at shoe: 92 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3208	5.5	20.00	P-110	Buttress	9711	13308	4.653	26614

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	6306	11100	1.760	6330	12360	1.95	-2.1	641.1	99.99 B

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: November 27, 2012  
Salt Lake City, Utah

**Remarks:**

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 9711 ft, a mud weight of 12.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Devon Energy Corporation  
333 W. Sheridan Avenue  
Oklahoma City, OK 73102

405 235 3611 Phone  
[www.devonenergy.com](http://www.devonenergy.com)



January 9, 2013

Utah Oil and Gas Division of Oil, Gas and Mining  
Attn: Brad Hill  
1594 West North Temple  
Salt Lake City, Utah 84116

Mr. Brad Hill,

Devon Energy Production Co., L.P. (Devon) respectfully requests administrative exception to Cause No. 139-84 for the Galloway 4-14B2. Per Jan Wooldridge, Landman overseeing the subject well, Devon owns 100% of the leasehold within 660 feet of the proposed Galloway 4-14B2. The minerals are owned under a Devon lease executed by Dolph Galloway, whose heirs; Randy Galloway and Shauna Dee Buggie now own the wellsite surface as well as surface and minerals around the wellbore. Should you have further questions regarding this request, please contact Jan Wooldridge at (405) 552-4626 or [Jan.Wooldridge@devon.com](mailto:Jan.Wooldridge@devon.com).

Thank you,

A handwritten signature in blue ink that reads "Julie Patrick".

Julie Patrick  
Regulatory Analyst  
(405)228-8684  
[Julie.Patrick@devon.com](mailto:Julie.Patrick@devon.com)

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** DEVON ENERGY PROD CO LP  
**Well Name** GALLOWAY #4-14B2  
**API Number** 43013518180000 **APD No** 7040 **Field/Unit** BLUEBELL  
**Location: 1/4,1/4** NWNE **Sec** 14 **Tw** 2.0S **Rng** 2.0W 230 FNL 1320 FEL  
**GPS Coord (UTM)** 578832 4463182 **Surface Owner** Randy Galloway

### **Participants**

Robert Workman (Devon Production Foreman)

### **Regional/Local Setting & Topography**

This proposed well is set in an area of scattered hills and dry washes with some areas of sand hills and exposed rock ledges. This area is approximately 4 to 5 miles directly west of Roosevelt, Utah. Drainage here is toward the east and Hancock Cove. This well sits on a small rise in the bottom of a large draw which slopes toward the east.

### **Surface Use Plan**

**Current Surface Use**  
Wildlfe Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.52	<b>Width</b> 240 <b>Length</b> 407	Onsite	DUCHR

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Pinion, juniper, greasewood, sparse grasses

mule deer

#### **Soil Type and Characteristics**

Sandy clay loam, exposed rock formations to north

#### **Erosion Issues** Y

North side of reserve pit needs additional drainage protection

#### **Sedimentation Issues** N

#### **Site Stability Issues** Y

Diversion needed on north side

#### **Drainage Diverson Required?** Y

Diversion needed around west side and an addition diversion needed on north

**Berm Required? Y****Erosion Sedimentation Control Required? N****Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? N    Cultural Resources? N****Reserve Pit****Site-Specific Factors****Site Ranking**

<b>Distance to Groundwater (feet)</b>	25 to 75	15
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>		30    1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit is proposed in cut, but steep slopes directly north of reserve pit will need a diversion ditch to keep storm water from entering the pit and location. Pit dimensions are 200 x 100 x 10 feet.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 20    Pit Underlayment Required? Y****Other Observations / Comments**

Offsite rock products will be brought in for structure of berms, tanks and so on.

Richard Powell  
**Evaluator**

11/6/2012  
**Date / Time**

# Application for Permit to Drill

## Statement of Basis

### Utah Division of Oil, Gas and Mining

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
7040	43013518180000	REVISION	OW	P	No
<b>Operator</b>	DEVON ENERGY PROD CO LP		<b>Surface Owner-APD</b>	Randy Galloway	
<b>Well Name</b>	GALLOWAY #4-14B2		<b>Unit</b>		
<b>Field</b>	BLUEBELL		<b>Type of Work</b>	DRILL	
<b>Location</b>	NWNE 14 2S 2W U 230 FNL 1320 FEL GPS Coord (UTM) 578840E 4463194N				

#### Geologic Statement of Basis

Devon proposes to set 1,000 feet of surface casing which will be cemented to surface. The surface hole will be drilled utilizing an aerated fresh water system. The estimated depth to the base of moderately saline ground water is 2,500 feet. A search of Division of Water Rights records indicates that there are over 70 water wells within a 10,000 foot radius of the center of Section 14. A number of these wells are owned by Roosevelt City and used for municipal water. Wells range in depth from 117 to 975 feet. Listed uses are domestic, municipal, fish culture, irrigation, oil exploration and stock watering. The wells in this area probably produce water from the Duchesne River Formation. Casing cement for intermediate string #1 should be brought up to or above the base of the moderately saline ground water.

Brad Hill  
APD Evaluator

11/14/2012  
Date / Time

#### Surface Statement of Basis

This proposed well is on fee surface owned by Randy Galloway. I spoke to Mr. Galloway about this well and other proposed wells on his land. Mr. Galloway stated that he is satisfied with the placement of the wells but expressed concerns about environmental issues and his desire that there are no undesirable environmental consequences from drilling and production at these sites. I explained that the Utah Division of Oil, Gas and Mining would conduct routine inspections during construction and drilling of this well and throughout the life of the well to ensure compliance with Utah oil and gas rules. Mr. Galloway seemed satisfied with this and gave his OK to proceed with the onsite inspection but that he would not be able to attend as he lives in Oregon. Equipment color was discussed and Robert Workman of Devon agreed to a dark green color which would blend with the surrounding landscape. It was agreed that a baked on factory finish would be chosen. This well sits on a small rise in the bottom of a large draw which slopes toward the east. There is permeable soil and exposed rock and for these reasons a 20 mil pit liner and felt subliner will be required for the reserve pit. Drainage from this site must be diverted around the west end of the location and an additional drainage diversion must be created to protect runoff from entering the location and reserve pit from the steep hill to the north.

Richard Powell  
Onsite Evaluator

11/6/2012  
Date / Time

**Conditions of Approval / Application for Permit to Drill**

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location. Additional drainage protection must be built to keep runoff water from entering the location from the hill to the north.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/30/2012

API NO. ASSIGNED: 43013518180000

WELL NAME: GALLOWAY #4-14B2

OPERATOR: DEVON ENERGY PROD CO LP (N1275)

PHONE NUMBER: 405 228-8684

CONTACT: Julie Patrick

PROPOSED LOCATION: NWN 14 020S 020W

Permit Tech Review: ☒

SURFACE: 0230 FNL 1320 FEL

Engineering Review: ☒

BOTTOM: 0660 FSL 1320 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.31555

LONGITUDE: -110.07210

UTM SURF EASTINGS: 578840.00

NORTHINGS: 4463194.00

FIELD NAME: BLUEBELL

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - 71S100753026-70☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: Ballard City Municipal Water☐ RDCC Review:☒ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☒ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 139-84

Effective Date: 12/31/2008

Siting: 660' Fr Drl U Bdry &amp; 1320' Fr Other Wells

☐ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill  
5 - Statement of Basis - bhill  
8 - Cement to Surface -- 2 strings - hmacdonald  
9 - Cement casing to Surface - hmacdonald  
27 - Other - bhill

RECEIVED: January 10, 2013



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** GALLOWAY #4-14B2

**API Well Number:** 43013518180000

**Lease Number:** FEE

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 1/10/2013

### Issued to:

DEVON ENERGY PROD CO LP , P.O. Box 290 , Neola, UT 84053

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

The cement volumes for the 7" casing shall be determined from actual hole conditions and the setting depth of the casing in order to place cement from the pipe setting depth back to the surface as stated in the submitted drill plan.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program  
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**8/29/2014**

**FROM: (Old Operator):**

DEVON ENERGY PRODUCTION COMPANY L.P. N1275  
 333 WEST SHERIDAN AVENUE  
 OKLAHOMA CITY OK 73102-5015

**TO: ( New Operator):**

LINN OPERATING INC N4115  
 1999 BROADWAY STE 3700  
 DENVER CO 80202

303-999-4275

CA No.				Unit:	N/A			
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/16/2014
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/16/2014
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 10/8/2014
- a. Is the new operator registered in the State of Utah: Business Number: 9031632-0143
- a. (R649-9-2) Waste Management Plan has been received on: Yes
- b. Inspections of LA PA state/fee well sites complete on: N/A
- c. Reports current for Production/Disposition & Sundries on: 10/8/2014
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM NOT YET BIA NOT YET
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/24/2014

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 10/8/2014
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/8/2014
- Bond information entered in RBDMS on: 10/8/2014
- Fee/State wells attached to bond in RBDMS on: 10/8/2014
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: 10/8/2014
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 9/16/2014

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: NMB000501
- Indian well(s) covered by Bond Number: NMB000501
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM9149893
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 10/8/2014

**COMMENTS:**

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115  
Effective 8/29/2014

Well Name	Section	Township	Range AP	API Number	Entity	Mineral Lease	Well Type	Well Status
SWD 4-11A2	11	010S	020W	4301320255	99990	Fee	WD	A
VIRGIL MECHAM 1-11A2	11	010S	020W	4301330009	5760	Fee	WD	A
1-3A2	3	010S	020W	4301330021	99990	Fee	WD	A
BLUEBELL 2-28A2	28	010S	020W	4301330346	99990	Fee	WD	A
SALERATUS 2-17C5	17	030S	050W	4301330388	99990	Fee	WD	A
CENTRAL BLUEBELL 2-26A2	26	010S	020W	4301330389	99990	Fee	WD	A
BALLARD 2-15B1	15	020S	010W	4304732351	11476	Fee	WD	A
GALLOWAY #3-14B2	14	020S	020W	4301351741		Fee	OW	APD
GALLOWAY #3-12B2	12	020S	020W	4301351742		Fee	OW	APD
GALLOWAY 4-14B2	14	020S	020W	4301351818		Fee	OW	APD
MORRIS #3-8B1	8	020S	010W	4301351836		State	OW	APD
FRITZ #3-24A2	24	010S	020W	4301351837		Fee	OW	APD
GALLOWAY #2-14B2	14	020S	020W	4301351739	19044	Fee	OW	DRL
EMERALD 2-32A1	32	010S	010W	4301350059	17980	Fee	OW	OPS
CLYDE MURRAY 1-2A2	2	010S	020W	4301330005	5876	Fee	OW	P
VICTOR C BROWN 1-4A2	4	010S	020W	4301330011	5780	Fee	OW	P
DOUG BROWN 2-4A2	4	010S	020W	4301330017	5840	Fee	OW	P
L BOREN U 3-15A2	15	010S	020W	4301330086	5755	Fee	OW	P
LAMICQ-URTY U 3-17A2	17	010S	020W	4301330099	5745	Fee	OW	P
L BOREN U 5-22A2	22	010S	020W	4301330107	5900	Fee	OW	P
L BOREN U 4-23A2	23	010S	020W	4301330115	5905	Fee	OW	P
TOMLINSON FED 1-25A2	25	010S	020W	4301330120	5535	Federal	OW	P
WOODWARD 1-21A2	21	010S	020W	4301330130	5665	Fee	OW	P
LAMICQ 1-20A2	20	010S	020W	4301330133	5400	Fee	GW	P
L RBRTSN ST 1-1B2	1	020S	020W	4301330200	5410	State	OW	P
SMITH ALBERT 1-8C5	8	030S	050W	4301330245	5490	Fee	OW	P
FRESTON ST 1-8B1	8	020S	010W	4301330294	5345	Fee	OW	P
GEORGE MURRAY 1-16B1	16	020S	010W	4301330297	5950	Fee	OW	P
LAMICQ-URTY U 4-5A2	5	010S	020W	4301330347	5845	Fee	OW	P
H G COLTHARP 1-15B1	15	020S	010W	4301330359	5945	Fee	OW	P
STATE 3-18A1	18	010S	010W	4301330369	5810	Fee	OW	P
LAMICQ 2-6B1	6	020S	010W	4301330809	2301	Fee	OW	P
DILLMAN 2-28A2	28	010S	020W	4301330821	5666	Fee	OW	P
HAMBLIN 2-26-A2	26	010S	020W	4301330903	5361	Fee	OW	P
JOHN 2-3-B2	3	020S	020W	4301330975	5387	Fee	OW	P
LAMICQ-ROBERTSON ST 2-1B2	1	020S	020W	4301330995	5412	Fee	OW	P
UTE TRIBAL 2-7A2	7	010S	020W	4301331009	5836	Indian	OW	P
HATCH 2-3B1	3	020S	010W	4301331147	10615	Fee	OW	P
NORLING 2-9B1	9	020S	010W	4301331151	10616	Fee	OW	P
SHAW 2-27A2	27	010S	020W	4301331184	10753	Fee	OW	P
LAMICQ-URRITY 4-17A2	17	010S	020W	4301331190	10764	Fee	OW	P
LAMICQ 2-20A2	20	010S	020W	4301331191	10794	Fee	OW	P
FRESTON 2-8B1	8	020S	010W	4301331203	10851	Fee	OW	P
WISSE 3-35A2	35	010S	020W	4301331215	10925	Fee	OW	P
MECCA 2-8A2	8	010S	020W	4301331231	10981	Fee	OW	P
SWYKES 2-21A2	21	010S	020W	4301331235	10998	Fee	OW	P
SHERMAN 2-12B2	12	020S	020W	4301331238	11009	Fee	OW	P
DUNCAN 4-2A2	2	010S	020W	4301331276	11258	Fee	GW	P
HAMBLIN 3-9A2	9	010S	020W	4301331278	11094	Fee	GW	P
BAR-F 2-5B1	5	020S	010W	4301331286	11113	Fee	OW	P
SMITH 2-9C5	9	030S	050W	4301331321	11245	Fee	OW	P
LORANGER 2-24A2	24	010S	020W	4301331322	11244	Fee	OW	P
UTE 2-6B3	6	020S	030W	4301331325	11446	Indian	OW	P
MCELPRANG 2-30A1	30	010S	010W	4301331326	11252	Fee	OW	P

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115  
Effective 8/29/2014

Well Name	Section	Township	Range AP	API Number	Entity	Mineral Lease	Well Type	Well Status
SMITH 2-7C5	7	030S	050W	4301331327	11324	Indian	OW	P
SMITH 2-18C5	18	030S	050W	4301331328	11336	Indian	OW	P
UTE 2-24A3	24	010S	030W	4301331329	11339	Indian	OW	P
UTE 5-19A2	19	010S	020W	4301331330	11277	Indian	OW	P
EDWARDS 3-10B1	10	020S	010W	4301331332	11264	Fee	OW	P
SUNDANCE 4-15A2	15	010S	020W	4301331333	11269	Fee	OW	P
LORANGER 6-22A2	22	010S	020W	4301331334	11335	Fee	OW	P
COX 2-36A2	36	010S	020W	4301331335	11330	Fee	OW	P
SMITH 2-6C5	6	030S	050W	4301331338	11367	Indian	OW	P
FRESTON 2-7B1	7	020S	010W	4301331341	11338	Fee	OW	P
PEARSON 2-11B2	11	020S	020W	4301331356	11359	Fee	OW	P
CHAPMAN 2-4B2	4	020S	020W	4301331378	11485	Fee	OW	P
LAMB 2-16A2	16	010S	020W	4301331390	11487	Fee	OW	P
LABRUM 2-23A2	23	010S	020W	4301331393	11514	Fee	OW	P
POWELL 2-16B1	16	020S	010W	4301331820	12342	Fee	OW	P
BOWMAN 5-5A2	5	010S	020W	4301332202	13043	Fee	OW	P
BOREN 4-9A2	9	010S	020W	4301332203	13079	Fee	OW	P
BLANCHARD 3-10A2	10	010S	020W	4301332223	13149	Fee	OW	P
SQUIRES 3-8A2	8	010S	020W	4301332227	13176	Fee	OW	P
BROWN 3-4A2	4	010S	020W	4301332684	14673	Fee	OW	P
GALLOWAY 3-11B2	11	020S	020W	4301334304	18527	Fee	OW	P
OWL AND THE HAWK 3-9C5	9	030S	050W	4301351214	18649	Fee	OW	P
Bingham #3-4B1	4	020S	010W	4301351464	18825	Fee	OW	P
RED MOUNTAIN 3-5B1	5	020S	010W	4301351632	18954	Fee	OW	P
MECHAM #3-1B2	1	020S	020W	4301351844	19082	State	OW	P
MIKE AND SHELLEY #3-4B2	4	020S	020W	4301351845	19083	Fee	OW	P
RBRTSN UTE ST 1-12B1	12	020S	010W	4304730164	5475	Fee	OW	P
MAY UTE FED 1-13B1	13	020S	010W	4304730176	5435	Fee	OW	P
COOK 1-26B1	26	020S	010W	4304731981	11212	Fee	OW	P
CHRISTIANSEN 2-12B1	12	020S	010W	4304732178	11350	Fee	OW	P
RICH 2-13B1	13	020S	010W	4304732744	12046	Fee	OW	P
THOMAS 4-10B1	10	020S	010W	4304734080	13284	Fee	OW	P
HAMAKER 3-12B1	12	020S	010W	4304752294	18650	Fee	OW	P
BETTS 2-26B1	26	020S	010W	4304752435	18698	Fee	OW	P
STATE 1-10A2 (3-10C)	10	010S	020W	4301330006	5860	State	GW	S
L BOREN U 6-16A2	16	010S	020W	4301330123	5750	Fee	OW	S
UTE TRIBAL 1-6B3	6	020S	030W	4301330136	5705	Indian	OW	S
MAUREL TAYLOR FEE 1-36A2	36	010S	020W	4301330143	5525	Fee	OW	S
CAMPBELL UTE ST 1-7B1	7	020S	010W	4301330236	5295	Indian	OW	S
D L GALLOWAY 1-14B2	14	020S	020W	4301330564	5965	Fee	OW	S
MARK 2-25A2	25	010S	020W	4301331232	10986	Fee	OW	S
MITCHELL 2-4B1	4	020S	010W	4301331317	11231	Fee	OW	S

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached Well List</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>See Attached Well List</u>
2. NAME OF OPERATOR: <u>LINN OPERATING, INC</u> <u>N4115</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: <u>1999 Broadway, Suite 3700</u> CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u></u>		8. WELL NAME and NUMBER: <u>See Attached Well List</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u></u>		9. API NUMBER:
COUNTY: <u>Duchesne/Uintah</u>		10. FIELD AND POOL, OR WILDCAT: <u>Bluebell/Altamont</u>
STATE: <u>UTAH</u>		

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u></u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u></u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>CHANGE OF OPERATOR</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893.

Attached is a list of wells that are associated with this Change of Operator.

Devon Energy Production Company, LP N1275  
333 West Sheridan Avenue  
Oklahoma City, OK 73102-5015

John D. Rains  
Vice President

RECEIVED  
SEP 16 2014

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Russell des Cognets II TITLE Asset Manager  
SIGNATURE Russell des Cognets II DATE 9/8/14

(This space for State use only)

APPROVED

OCT 08 2014

DIV. OIL GAS & MINING

BY: Rachael Medina

(See Instructions on Reverse Side)

**Devon Energy Production Company, LP**  
**Existing Well List for State/Fee/Indian Leases**

Well Name	API #	Legal Location	Producing Status	Well Type	Lease Type	Field	State	County
BAR F 2-5B1	430133128600	005-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BINGHAM 3-4B1	430135146400	004-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BLANCHARD 3-10A2	430133222300	010-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
*BOREN 1-14A2	430133003500	014-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 3-11A2	430133119200	011-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 3-15A2	430133008600	015-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 4-23A2	430133011500	023-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 4-9A2	430133220300	009-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 5-22A2	430133010700	022-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 6-16A2	430133012300	016-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOWMAN 5-5A2	430133220200	005-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN DOUG 2-4A2	430133001700	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN VICTOR C 1-4A2	430133001100	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN 3-4A2	430133268400	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CAMPBELL UTE ST 1-7B1	430133023600	007-002S-001W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
CHAPMAN 2-4B2	430133137800	004-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CLYDE MURRAY 1-2A2	430133000500	002-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
COLTHARP 1-15B1	430133035900	015-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CORNABY 2-14A2 (RECOMP)	430133129900	014-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
COX 2-36A2	430133133500	036-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
DILLMAN 2-28A2	430133082100	028-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
DUNCAN 4-2A2	430133127600	002-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
EDWARDS 3-10B1	430133133200	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON STATE 1-8B1	430133029400	008-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON 2-7B1	430133134100	007-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON 2-8B1	430133120300	008-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 1-14B2	430133056400	014-002S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 3-11B2	430133430400	011-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HAMBLIN 2-26A2	430133090300	026-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HAMBLIN 3-9A2	430133127800	009-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HATCH 2-3B1	430133114700	003-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
JOHN 2-3B2	430133097500	003-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LABRUM 2-23A2	430133139300	023-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMB 2 16A2	430133139000	016-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ ROBERTSON 1-1B2	430133020000	001-002S-002W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE

RECEIVED

SEP 16 2014

LAMICQ ROBERTSON 2-1B2	430133099500	001-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 3-17A2	430133009900	017-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 4-17A2	430133119000	017-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 4-5A2	430133034700	005-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 1-20A2	430133013300	020-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 2-20A2	430133119100	020-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 2-6B1	430133080900	006-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LORANGER 2-24A2	430133132200	024-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LORANGER 6-22A2	430133133400	022-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MARK 2 25A2	430133123200	025-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MCCELPRANG 2-30A1	430133132600	030-001S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECCA 2-8A2	430133123100	008-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECHAM VIRGIL B 1-11A2 SWD	430133000900	011-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECHAM 3-1B2	430135184400	1-2S-2W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
MIKE AND SHELLEY 3-4B2	430135184500	4-2S-2W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MITCHELL 2-4B1	430133131700	004-002S-001W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MURRAY GEORGE 1-16B1	430133029700	016-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
NORLING 2-9B1	430133115100	009-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
OWL AND THE HAWK 3-9C5	430135121400	9-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
PEARSON 2-11B2	430133135600	011-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
POWELL 2 16B1	430133182000	016-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
RED MOUNTAIN 3-5B1	430135163200	05-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SHAW 2-27A2	430133118400	027-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SHERMAN 2-12B2	430133123800	012-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH ALBERT 1-8C5	430133024500	008-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-18C5	430133132800	018-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-6C5	430133133800	006-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-7C5	430133132700	007-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-9C5	430133132100	009-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SQUIRES 3-8A2	430133222700	008-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
STATE 1-10A2	430133000600	010-001S-002W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
STATE 3-18A1	430133036900	018-001S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SUNDANCE 4 15A2 (BOREN)	430133133300	015-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD ANDERSON 2-28A2	430133034600	028-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD HAMBLIN 2-26A2	430133038900	026-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD SALERATUS 2-17C5	430133038800	017-003S-005W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD 1-3A2	430133002100	003-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD 4-11A2	430132025500	011-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE

RECEIVED

SEP 16 2014

DIV. OF OIL, GAS & MINING

SWYKES 2 21A2	430133123500	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TAYLOR MAUREL FEE 1-36A2	430133014300	036-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TOMLINSON 1 25A2	430133012000	025-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 2-7A2	430133100900	007-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 5-19A2	430133133000	019-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 1-6B3	430133013600	006-002S-003W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-24A3	430133132900	024-001S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-6B3	430133132500	006-002S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
WISSE 3-35A2	430133121500	035-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
WOODWARD 1-21A2	430133013000	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BALLARD 2-15B1 SWD	430473235100	015-002S-001W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	UINTAH
BETTS 2-26B1	430475243500	26-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
CHRISTENSEN 2-12B1	430473217800	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
COOK 1-26B1	430473198100	026-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
HAMAKER 3-12B1	430475229400	12-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
MAY UTE FED 1-13B1	430473017600	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
RICH 2-13B1	430473274400	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
ROBERTSON UTE STATE 1-12B1	430473016400	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
THOMAS 4-10B1	430473408000	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH

RECEIVED

SEP 16 2014

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached Well List</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>See Attached Well List</u>
2. NAME OF OPERATOR: LINN OPERATING, INC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1999 Broadway, Suite 3700 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY: Duchsene		8. WELL NAME and NUMBER: <u>See Attached Well List</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT: Bluebell/Altamont

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>CHANGE OF OPERATOR</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893.

Attached is a list of Applications for Permit to Drill (APD) that are associated with this Change of Operator.

Devon Energy Production Company, LP  
333 West Sheridan Avenue  
Oklahoma City, OK 73102-5015

  
John D. Raines  
Vice President

NAME (PLEASE PRINT) <u>Russell des Cognets II</u>	TITLE <u>Asset Manager</u>
SIGNATURE 	DATE <u>9/16/14</u>

(This space for State use only)

APPROVED

OCT 08 2014

(5/2000)

DIV. OIL GAS & MINING

(See Instructions on Reverse Side)

BY: Rachael Medina

RECEIVED

SEP 16 2014

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	See Attached List of Wells
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section:                      Township:                      Range:
<b>Company that filed original application:</b>	Devon Energy Production Company, LP
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Linn Operating, Inc.

Check one	Desired Action:
<input type="checkbox"/>	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>LPM9149893</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Russell des Cognets II Title Asset Manager  
 Signature *Russell des Cognets II* Date 9-8-14  
 Representing (company name) Linn Operating, Inc.

**RECEIVED**

**SEP 16 2014**

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

**Devon Energy Production Company, LP**  
**Existing Well List of Application for Permit to Drill (APD's)**

Well Name	API #	Legal Location	Producing Status	APD Approval Date	APD Extension Filed	Well Type	Lease Type	Divest Description	State	County
GALLOWAY #3-14B2	4301351741	014-020S-020W	APD	12/10/2012	12/11/2013	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY #3-12B2	4301351742	012-020S-020W	APD	12/10/2012	12/11/2013	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 4-14B2	4301351818	014-020S-020W	APD	1/11/2013	12/11/2013	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MORRIS #3-8B1	4301351836	008-020S-010W	APD	4/1/2013	3/12/2014	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRITZ #3-24A2	4301351837	024-010S-020W	APD	4/1/2013	3/12/2014	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MIKE AND SHELLEY #4-14A2	4301351846	014-010S-020W	APD	2/6/2013	2/4/2014	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE

RECEIVED  
SEP 16 2014  
DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Misc.

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

Bluebell

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

LINN OPERATING, INC.

3. ADDRESS OF OPERATOR:

1999 Broadway, Ste #3700

CITY Denver

STATE CO

ZIP 80202

PHONE NUMBER:

(303) 999-4016

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

14 1S 2W

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Excluded wells from</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Change of Operator</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Do not process Change of Operator from Devon Energy Production Company, LP to LINN Operating, Inc. for the following wells.

43-013-31192	BOREN 3-11A2	Oil Well Producing BLUEBELL DUCHESNE 1S-2W Sec 11
43-013-51846	MIKE AND SHELLEY #4-14A2	Oil Well Approved permit (APD) BLUEBELL DUCHESNE 1S-2W Sec14
43-013-31299	CORNABY 2-14A2	Oil Well Producing BLUEBELL DUCHESNE 1S-2W Sec 14
43-013-30035	FLY/DIA L BOREN 1-14A2	Oil Well Shut-In BLUEBELL DUCHESNE 1S-2W Sec 14

The Devon transaction to Linn Energy allowed EP Energy to exercise their preferential right to purchase the leases and wells in Sections 11 and 14 of T1S, 2W so EP Energy now owns these wells.

NAME (PLEASE PRINT)

Debbie Chan

TITLE

Reg. Compliance Supervisor

SIGNATURE

DATE

9/23/2014

(This space for State use only)

RECEIVED

SEP 23 2014

Div. of Oil, Gas & Mining

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> LINN OPERATING, INC.		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> Rt. 2 Box 7735 , Roosevelt, UT, 84066		<b>8. WELL NAME and NUMBER:</b> GALLOWAY 4-14B2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0230 FNL 1320 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 14 Township: 02.0S Range: 02.0W Meridian: U		<b>9. API NUMBER:</b> 43013518180000
<b>PHONE NUMBER:</b> 435 722-1325 Ext		<b>9. FIELD and POOL or WILDCAT:</b> BLUEBELL
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>11/20/2014</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> <b>APD EXTENSION</b> OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 LINN Operating, Inc. hereby requests a one (1) year extension of the State APD for the above referenced well.

Approved by the  
November 25, 2014  
Oil, Gas and Mining

Date: \_\_\_\_\_

By:

<b>NAME (PLEASE PRINT)</b> Katherine Skinner	<b>PHONE NUMBER</b> 303 999-4037	<b>TITLE</b> Reg Compliance Spec 1
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/20/2014	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013518180000**

API: 43013518180000

Well Name: GALLOWAY 4-14B2

Location: 0230 FNL 1320 FEL QTR NWNE SEC 14 TWNP 020S RNG 020W MER U

Company Permit Issued to: LINN OPERATING, INC.

Date Original Permit Issued: 1/10/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Katherine Skinner

Date: 11/20/2014

Title: Reg Compliance Spec 1 Representing: LINN OPERATING, INC.



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

January 14, 2016

Linn Operating, Inc.  
Rt. 2 Box 7735  
Roosevelt, UT 84066

Re: APD Rescinded – Galloway 4-14B2, Sec. 14, T. 2S, R. 2W,  
Duchesne County, Utah API No. 43-013-51818

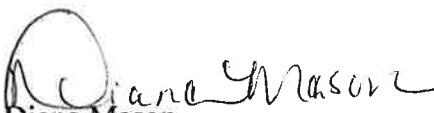
Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on January 10, 2013. On December 17, 2013 and November 25, 2014 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective January 14, 2016.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Brad Hill, Technical Service Manager

